Suppression of Exosomal PD-L1 Induces Systemic Anti-

Cell 177, 414-427.e13

DOI: 10.1016/j.cell.2019.02.016

Citation Report

#	Article	IF	CITATIONS
1	Immune checkpoint inhibitors: a new era for esophageal cancer. Expert Review of Anticancer Therapy, 2019, 19, 731-738.	1.1	9
2	Role of the Exosome in Ovarian Cancer Progression and Its Potential as a Therapeutic Target. Cancers, 2019, 11, 1147.	1.7	54
3	Pseudoprogression: an indicator for cure in combined immunotherapy?. Immunotherapy, 2019, 11, 1087-1093.	1.0	6
4	Effect and biomarker of Nivolumab for non–small-cell lung cancer. Biomedicine and Pharmacotherapy, 2019, 117, 109199.	2.5	22
5	Next generation chimeric antigen receptor T cells: safety strategies to overcome toxicity. Molecular Cancer, 2019, 18, 125.	7.9	201
6	Melanoma Extracellular Vesicles Generate Immunosuppressive Myeloid Cells by Upregulating PD-L1 via TLR4 Signaling. Cancer Research, 2019, 79, 4715-4728.	0.4	97
7	The biological functions and clinical applications of exosomes in lung cancer. Cellular and Molecular Life Sciences, 2019, 76, 4613-4633.	2.4	90
8	The Mantle Exosome and MicroRNAs of Hyriopsis cumingii Involved in Nacre Color Formation. Marine Biotechnology, 2019, 21, 634-642.	1.1	25
9	New insights into extracellular vesicle biogenesis and function. Journal of Cell Science, 2019, 132, .	1.2	152
10	Tumor-derived extracellular vesicles: molecular parcels that enable regulation of the immune response in cancer. Journal of Cell Science, 2019, 132, .	1.2	52
11	Exploiting autoimmunity unleashed by lowâ€dose immune checkpoint blockade to treat advanced cancer. Scandinavian Journal of Immunology, 2019, 90, e12821.	1.3	20
12	Exosomal miRNAâ€1231 derived from bone marrow mesenchymal stem cells inhibits the activity of pancreatic cancer. Cancer Medicine, 2019, 8, 7728-7740.	1.3	74
13	Mechanisms Controlling PD-L1 Expression in Cancer. Molecular Cell, 2019, 76, 359-370.	4.5	501
14	Extracellular Vesicles in Cancer Immune Microenvironment and Cancer Immunotherapy. Advanced Science, 2019, 6, 1901779.	5.6	179
15	Clinical significance of PD-L1 expression in serum-derived exosomes in NSCLC patients. Journal of Translational Medicine, 2019, 17, 355.	1.8	150
16	Dualâ€Locking Nanoparticles Disrupt the PDâ€1/PDâ€L1 Pathway for Efficient Cancer Immunotherapy. Advanced Materials, 2019, 31, e1905751.	11.1	95
17	Beyond tumor mutational burden: potential and limitations in using exosomes to predict response to immunotherapy. Expert Review of Molecular Diagnostics, 2019, 19, 1079-1088.	1.5	15
18	The Common Costimulatory and Coinhibitory Signaling Molecules in Head and Neck Squamous Cell Carcinoma. Frontiers in Immunology, 2019, 10, 2457.	2.2	16

#	Article	IF	CITATIONS
19	Exploring the key communicator role of exosomes in cancer microenvironment through proteomics. Proteome Science, 2019, 17, 5.	0.7	30
20	Extracellular vesicles in urologic malignancies—Implementations for future cancer care. Cell Proliferation, 2019, 52, e12659.	2.4	20
21	Intercellular transfer of HLAâ \in G: its potential in cancer immunology. Clinical and Translational Immunology, 2019, 8, e1077.	1.7	33
22	The role of exosomal PD-L1 in tumor progression and immunotherapy. Molecular Cancer, 2019, 18, 146.	7.9	236
23	Engineered nanoparticles circumvent the adaptive treatment tolerance to immune-checkpoint blockade therapy. Science China Chemistry, 2019, 62, 1557-1560.	4.2	5
24	Circulating biomarkers predictive of tumor response to cancer immunotherapy. Expert Review of Molecular Diagnostics, 2019, 19, 895-904.	1.5	28
25	Recent advances of exosomes in immune-mediated eye diseases. Stem Cell Research and Therapy, 2019, 10, 278.	2.4	61
26	The Transcription Factor Bhlhe40 Programs Mitochondrial Regulation of Resident CD8+ T Cell Fitness and Functionality. Immunity, 2019, 51, 491-507.e7.	6.6	148
27	Role of the dynamic tumor microenvironment in controversies regarding immune checkpoint inhibitors for the treatment of non-small cell lung cancer (NSCLC) with EGFR mutations. Molecular Cancer, 2019, 18, 139.	7.9	156
28	Liquid biopsy in the era of immuno-oncology: is it ready for prime-time use for cancer patients?. Annals of Oncology, 2019, 30, 1448-1459.	0.6	146
29	A good start of immunotherapy in esophageal cancer. Cancer Medicine, 2019, 8, 4519-4526.	1.3	67
30	Exosome-mediated communication in the tumor microenvironment contributes to hepatocellular carcinoma development and progression. Journal of Hematology and Oncology, 2019, 12, 53.	6.9	163
31	Understanding and overcoming the resistance of cancer to PD-1/PD-L1 blockade. Pharmacological Research, 2019, 145, 104258.	3.1	115
32	Challenges in the Isolation and Proteomic Analysis of Cancer Exosomesâ€"Implications for Translational Research. Proteomes, 2019, 7, 22.	1.7	20
33	Multiplexed immunophenotyping of circulating exosomes on nano-engineered ExoProfile chip towards early diagnosis of cancer. Chemical Science, 2019, 10, 5495-5504.	3.7	118
34	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242.	13.5	152
35	Development of cancer immunotherapy based on PD-1/PD-L1 pathway blockade. RSC Advances, 2019, 9, 33903-33911.	1.7	17
36	Tumor PD-L1 Induction by Resveratrol/Piceatannol May Function as a Search, Enhance, and Engage ("SEEâ€) Signal to Facilitate the Elimination of "Cold, Non-Responsive―Low PD-L1-Expressing Tumors by PD-L1 Blockade. International Journal of Molecular Sciences, 2019, 20, 5969.	1.8	9

3

#	ARTICLE	IF	Citations
37	Exosomes as a storehouse of tissue remodeling proteases and mediators of cancer progression. Cancer and Metastasis Reviews, 2019, 38, 455-468.	2.7	22
38	The Emerging Role of GC-MSCs in the Gastric Cancer Microenvironment: From Tumor to Tumor Immunity. Stem Cells International, 2019, 2019, 1-9.	1.2	4
39	Rationale of Immunotherapy in Hepatocellular Carcinoma and Its Potential Biomarkers. Cancers, 2019, 11, 1926.	1.7	27
40	Basis of PD1/PD-L1 Therapies. Journal of Clinical Medicine, 2019, 8, 2168.	1.0	85
41	Reprogramming extracellular vesicles with engineered proteins. Methods, 2020, 177, 95-102.	1.9	16
42	Exosomes, microvesicles, and their friends in solid tumors. , 2020, , 39-80.		3
43	Tumorâ€derived exosomes (TDEs): How to avoid the sting in the tail. Medicinal Research Reviews, 2020, 40, 385-412.	5.0	35
44	Extracellular vesicles as biomarkers and therapeutic targets for cancer. American Journal of Physiology - Cell Physiology, 2020, 318, C29-C39.	2.1	162
45	The cancer exosomes: Clinical implications, applications and challenges. International Journal of Cancer, 2020, 146, 2946-2959.	2.3	80
46	New Approaches on Cancer Immunotherapy. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a036863.	2.9	17
47	Exosomes derived from maxillary BMSCs enhanced the osteogenesis in iliac BMSCs. Oral Diseases, 2020, 26, 131-144.	1.5	33
48	Personalized detection of circling exosomal PD-L1 based on Fe3O4@TiO2 isolation and SERS immunoassay. Biosensors and Bioelectronics, 2020, 148, 111800.	5.3	150
49	Homogeneous, Lowâ€volume, Efficient, and Sensitive Quantitation of Circulating Exosomal PDâ€L1 for Cancer Diagnosis and Immunotherapy Response Prediction. Angewandte Chemie - International Edition, 2020, 59, 4800-4805.	7.2	159
50	Large extracellular vesicles: Size matters in tumor progression. Cytokine and Growth Factor Reviews, 2020, 51, 69-74.	3.2	41
51	Exosomal PD‣1 functions as an immunosuppressant to promote wound healing. Journal of Extracellular Vesicles, 2020, 9, 1709262.	5.5	67
52	Immunoregulatory Potential of Exosomes Derived from Cancer Stem Cells. Stem Cells and Development, 2020, 29, 327-335.	1.1	11
53	Biomimetic cell-derived nanocarriers for modulating immune responses. Biomaterials Science, 2020, 8, 530-543.	2.6	29
54	Proteolytic processing of PD-L1 by ADAM proteases in breast cancer cells. Cancer Immunology, Immunotherapy, 2020, 69, 43-55.	2.0	56

#	Article	IF	Citations
55	B7-H3 in Medulloblastoma-Derived Exosomes; A Novel Tumorigenic Role. International Journal of Molecular Sciences, 2020, 21, 7050.	1.8	12
56	Exosomes from different cells: Characteristics, modifications, and therapeutic applications. European Journal of Medicinal Chemistry, 2020, 207, 112784.	2.6	59
57	Extracellular vesicles-based drug delivery systems for cancer immunotherapy. Journal of Controlled Release, 2020, 328, 562-574.	4.8	18
58	<p>Exosome: A Review of Its Classification, Isolation Techniques, Storage, Diagnostic and Targeted Therapy Applications</p> . International Journal of Nanomedicine, 2020, Volume 15, 6917-6934.	3.3	564
59	Blockade of immune checkpoints in lymph nodes through locoregional delivery augments cancer immunotherapy. Science Translational Medicine, 2020, 12, .	5.8	142
60	Exosomal PD-L1 and N-cadherin predict pulmonary metastasis progression for osteosarcoma patients. Journal of Nanobiotechnology, 2020, 18, 151.	4.2	49
61	In vivo imaging of long-term accumulation of cancer-derived exosomes using a BRET-based reporter. Scientific Reports, 2020, 10, 16616.	1.6	17
62	Emerging Prospects of Exosomes for Cancer Treatment: From Conventional Therapy to Immunotherapy. Advanced Materials, 2020, 32, e2002440.	11.1	160
63	Coptisine Blocks Secretion of Exosomal <i>circCCT3</i> from Cancer-Associated Fibroblasts to Reprogram Glucose Metabolism in Hepatocellular Carcinoma. DNA and Cell Biology, 2020, 39, 2281-2288.	0.9	20
64	Immuno-Surgical Management of Pancreatic Cancer with Analysis of Cancer Exosomes. Cells, 2020, 9, 1645.	1.8	5
65	The deubiquitinase USP22 regulates PD-L1 degradation in human cancer cells. Cell Communication and Signaling, 2020, 18, 112.	2.7	62
66	<p>Glucometabolic Reprogramming in the Hepatocellular Carcinoma Microenvironment: Cause and Effect</p> . Cancer Management and Research, 2020, Volume 12, 5957-5974.	0.9	21
67	Applying CRISPR/Cas13 to Construct Exosomal PD‣1 Ultrasensitive Biosensors for Dynamic Monitoring of Tumor Progression in Immunotherapy. Advanced Therapeutics, 2020, 3, 2000093.	1.6	26
68	Tumor-Derived Extracellular Vesicles and the Immune System—Lessons From Immune-Competent Mouse-Tumor Models. Frontiers in Immunology, 2020, 11, 606859.	2.2	13
69	Exosomes and breast cancer drug resistance. Cell Death and Disease, 2020, 11, 987.	2.7	103
70	High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations. Science Advances, 2020, 6, .	4.7	73
71	Technical Advancements for Studying Immune Regulation of Disseminated Dormant Cancer Cells. Frontiers in Oncology, 2020, 10, 594514.	1.3	10
72	Immune Checkpoint Blockade Therapy for Hepatocellular Carcinoma: Clinical Challenges and Considerations. Frontiers in Oncology, 2020, 10, 590058.	1.3	5

#	Article	IF	CITATIONS
73	Overcoming Immune Evasion in Melanoma. International Journal of Molecular Sciences, 2020, 21, 8984.	1.8	88
74	Stresses in the metastatic cascade: molecular mechanisms and therapeutic opportunities. Genes and Development, 2020, 34, 1577-1598.	2.7	19
75	Isolation and characterization of exosomes for cancer research. Journal of Hematology and Oncology, 2020, 13, 152.	6.9	218
76	Salivary gland cancer in the era of immunotherapy: can we exploit tumor microenvironment?. Expert Opinion on Therapeutic Targets, 2020, 24, 1047-1059.	1.5	11
77	A Clinician's Guide to Cancer-Derived Exosomes: Immune Interactions and Therapeutic Implications. Frontiers in Immunology, 2020, 11, 1612.	2.2	21
78	MicroRNA-138-5p Suppresses Non-small Cell Lung Cancer Cells by Targeting PD-L1/PD-1 to Regulate Tumor Microenvironment. Frontiers in Cell and Developmental Biology, 2020, 8, 540.	1.8	34
79	Cytotrophoblast extracellular vesicles enhance decidual cell secretion of immune modulators via TNF-alpha. Development (Cambridge), 2020, 147, .	1.2	12
80	Focus on the morphogenesis, fate and the role in tumor progression of multivesicular bodies. Cell Communication and Signaling, 2020, 18, 122.	2.7	22
81	Recent Advances in the Use of Exosomes in Sjögren's Syndrome. Frontiers in Immunology, 2020, 11, 1509.	2.2	27
82	Biology and therapeutic potential of mesenchymal stem cellâ€derived exosomes. Cancer Science, 2020, 111, 3100-3110.	1.7	130
83	Exosomal LGALS9 in the cerebrospinal fluid of glioblastoma patients suppressed dendritic cell antigen presentation and cytotoxic T-cell immunity. Cell Death and Disease, 2020, 11, 896.	2.7	61
84	Role of microenvironmental acidity and tumor exosomes in cancer immunomodulation. Translational Cancer Research, 2020, 9, 5775-5786.	0.4	9
85	Tailoring precision immunotherapy: coming to a clinic soon?. ESMO Open, 2020, 5, e000631.	2.0	8
86	New Insights into the Role of Sphingolipid Metabolism in Melanoma. Cells, 2020, 9, 1967.	1.8	15
87	The evolving translational potential of small extracellular vesicles in cancer. Nature Reviews Cancer, 2020, 20, 697-709.	12.8	295
88	Infectious Tolerance as Seen With 2020 Vision: The Role of IL-35 and Extracellular Vesicles. Frontiers in Immunology, 2020, 11, 1867.	2.2	7
89	Personalized Immuno-Oncology. Medical Principles and Practice, 2021, 30, 1-16.	1.1	25
90	Extracellular Vesicles in the Development of Cancer Therapeutics. International Journal of Molecular Sciences, 2020, 21, 6097.	1.8	40

#	ARTICLE	IF	CITATIONS
91	Immune suppressed tumor microenvironment by exosomes derived from gastric cancer cells via modulating immune functions. Scientific Reports, 2020, 10, 14749.	1.6	44
93	Therapeutic plasma exchange clears circulating soluble PD-L1 and PD-L1-positive extracellular vesicles. , 2020, 8, e001113.		32
94	Extracellular Vesicles Orchestrate Immune and Tumor Interaction Networks. Cancers, 2020, 12, 3696.	1.7	12
95	Extracellular Vesicles in Hematological Malignancies: From Biomarkers to Therapeutic Tools. Diagnostics, 2020, 10, 1065.	1.3	20
96	An insight into small extracellular vesicles: Their roles in colorectal cancer progression and potential clinical applications. Clinical and Translational Medicine, 2020, 10, e249.	1.7	12
97	COVIDâ€19 therapy with mesenchymal stromal cells (MSC) and convalescent plasma must consider exosome involvement: Do the exosomes in convalescent plasma antagonize the weak immune antibodies?. Journal of Extracellular Vesicles, 2020, 10, e12004.	5.5	43
98	ExoHCR: a sensitive assay to profile PD-L1 level on tumor exosomes for immunotherapeutic prognosis. Biophysics Reports, 2020, 6, 290-298.	0.2	2
99	Versatile Role of Rab27a in Glioma: Effects on Release of Extracellular Vesicles, Cell Viability, and Tumor Progression. Frontiers in Molecular Biosciences, 2020, 7, 554649.	1.6	9
100	Tiny Actors in the Big Cellular World: Extracellular Vesicles Playing Critical Roles in Cancer. International Journal of Molecular Sciences, 2020, 21, 7688.	1.8	12
101	Moderne Aspekte der Immuntherapie mit Checkpoint-Inhibitoren bei Melanom. Karger Kompass Dermatologie, 2020, 8, 92-101.	0.0	0
102	Liquid Biopsies to Evaluate Immunogenicity of Gynecological/Breast Tumors: On the Way to Blood-Based Biomarkers for Immunotherapies. Breast Care, 2020, 15, 470-480.	0.8	11
103	Hyperthermia Targeting the Tumor Microenvironment Facilitates Immune Checkpoint Inhibitors. Frontiers in Immunology, 2020, 11, 595207.	2.2	52
104	Exosomal PD-L1: New Insights Into Tumor Immune Escape Mechanisms and Therapeutic Strategies. Frontiers in Cell and Developmental Biology, 2020, 8, 569219.	1.8	59
105	Preparation of engineered extracellular vesicles with full-length functional PD-1 membrane proteins by baculovirus expression system. Biochemical and Biophysical Research Communications, 2020, 526, 967-972.	1.0	7
106	Immune Escape Mediated by Exosomal PD‣1 in Cancer. Advanced Biology, 2020, 4, e2000017.	3.0	19
107	Mechanism and potential predictive biomarkers of immune checkpoint inhibitors in NSCLC. Biomedicine and Pharmacotherapy, 2020, 127, 109996.	2.5	35
108	Acquired Resistance to Immune Checkpoint Blockade Therapies. Cancers, 2020, 12, 1161.	1.7	9
109	The Tumor Microenvironment: A Milieu Hindering and Obstructing Antitumor Immune Responses. Frontiers in Immunology, 2020, 11, 940.	2.2	423

#	Article	IF	Citations
110	CRISPR screen in mechanism and target discovery for cancer immunotherapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188378.	3.3	25
111	Exosomes as drug carriers for cancer therapy and challenges regarding exosome uptake. Biomedicine and Pharmacotherapy, 2020, 128, 110237.	2.5	131
112	Biogenic nanoparticles as immunomodulator for tumor treatment. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1646.	3.3	21
113	Immune checkpoint signaling and cancer immunotherapy. Cell Research, 2020, 30, 660-669.	5.7	617
114	EV PD-L1 is Correlated With Clinical Features and Contributes to T Cell Suppression in Pediatric Thyroid Cancer. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2970-e2981.	1.8	15
115	Extracellular Vesicles in Renal Cell Carcinoma: Multifaceted Roles and Potential Applications Identified by Experimental and Computational Methods. Frontiers in Oncology, 2020, 10, 724.	1.3	18
116	Exosomal PD-L1: Roles in Tumor Progression and Immunotherapy. Trends in Cancer, 2020, 6, 550-558.	3.8	94
117	Exosomes as a Multicomponent Biomarker Platform in Cancer. Trends in Cancer, 2020, 6, 767-774.	3.8	175
118	Detection of Secretion of Exosomes from Individual Cell in Real-Time by Multifunctional Nanoelectrode-Nanopore Nanopipettes. Chinese Journal of Analytical Chemistry, 2020, 48, e20061-e20068.	0.9	3
119	Application of immune checkpoint inhibitors in EGFR-mutant non-small-cell lung cancer: from bed to bench. Therapeutic Advances in Medical Oncology, 2020, 12, 175883592093033.	1.4	25
120	Tumor-Derived Exosomes in Immunosuppression and Immunotherapy. Journal of Immunology Research, 2020, 2020, 1-11.	0.9	85
121	Multivalence-Actuated DNA Nanomachines Enable Bicolor Exosomal Phenotyping and PD-L1-Guided Therapy Monitoring. Analytical Chemistry, 2020, 92, 9877-9886.	3.2	38
122	Diagnostic and Therapeutic Applications of Exosomes in Cancer with a Special Focus on Head and Neck Squamous Cell Carcinoma (HNSCC). International Journal of Molecular Sciences, 2020, 21, 4344.	1.8	20
123	Soluble programmed death-ligand 1 rather than PD-L1 on tumor cells effectively predicts metastasis and prognosis in soft tissue sarcomas. Scientific Reports, 2020, 10, 9077.	1.6	36
124	Anti-PD-1 Therapy Response Predicted by the Combination of Exosomal PD-L1 and CD28. Frontiers in Oncology, 2020, 10, 760.	1.3	33
125	Regulation of Cancer Immune Checkpoints. Advances in Experimental Medicine and Biology, 2020, , .	0.8	7
126	The function and clinical application of extracellular vesicles in innate immune regulation. Cellular and Molecular Immunology, 2020, 17, 323-334.	4.8	171
127	Immune Cell-Derived Exosomes in the Cancer-Immunity Cycle. Trends in Cancer, 2020, 6, 506-517.	3.8	95

#	Article	IF	CITATIONS
128	p300/CBP inhibition enhances the efficacy of programmed death-ligand 1 blockade treatment in prostate cancer. Oncogene, 2020, 39, 3939-3951.	2.6	70
129	Extracellular Vesicles and Chemotherapy Resistance in the AML Microenvironment. Frontiers in Oncology, 2020, 10, 90.	1.3	30
130	Nanosponges of circulating tumor-derived exosomes for breast cancer metastasis inhibition. Biomaterials, 2020, 242, 119932.	5.7	77
131	Tumor-derived extracellular vesicles: Regulators of tumor microenvironment and the enlightenment in tumor therapy. Pharmacological Research, 2020, 159, 105041.	3.1	16
132	Targeting extracellular vesiclesâ€mediated hepatic inflammation as a therapeutic strategy in liver diseases. Liver International, 2020, 40, 2064-2073.	1.9	11
133	Perspectives in Manipulating EVs for Therapeutic Applications: Focus on Cancer Treatment. International Journal of Molecular Sciences, 2020, 21, 4623.	1.8	19
134	Extracellular Vesicles in Cancer Metastasis: Potential as Therapeutic Targets and Materials. International Journal of Molecular Sciences, 2020, 21, 4463.	1.8	50
135	PD-L1+ exosomes from bone marrow-derived cells of tumor-bearing mice inhibit antitumor immunity. Cellular and Molecular Immunology, 2021, 18, 2402-2409.	4.8	23
136	On-Target Anti-TGF-Î ² Therapies Are Not Succeeding in Clinical Cancer Treatments: What Are Remaining Challenges?. Frontiers in Cell and Developmental Biology, 2020, 8, 605.	1.8	127
137	Extracellular Vesicles Mediate B Cell Immune Response and Are a Potential Target for Cancer Therapy. Cells, 2020, 9, 1518.	1.8	35
138	Circulating miRNAs as Biomarkers in Aggressive B Cell Lymphomas. Trends in Cancer, 2020, 6, 910-923.	3.8	17
139	Mechanical strain induces phenotypic changes in breast cancer cells and promotes immunosuppression in the tumor microenvironment. Laboratory Investigation, 2020, 100, 1503-1516.	1.7	27
140	The impact of PD-L1 N-linked glycosylation on cancer therapy and clinical diagnosis. Journal of Biomedical Science, 2020, 27, 77.	2.6	89
141	The biology , function , and biomedical applications of exosomes. Science, 2020, 367, .	6.0	4,742
142	Tracking the evolution of circulating exosomalâ€PD‣1 to monitor melanoma patients. Journal of Extracellular Vesicles, 2020, 9, 1710899.	5 . 5	175
143	The importance of exosomal PDL1 inÂtumour immune evasion. Nature Reviews Immunology, 2020, 20, 209-215.	10.6	360
144	Unraveling the mechanisms that specify molecules for secretion in extracellular vesicles. Methods, 2020, 177, 15-26.	1.9	50
145	Homogeneous, Lowâ€volume, Efficient, and Sensitive Quantitation of Circulating Exosomal PDâ€L1 for Cancer Diagnosis and Immunotherapy Response Prediction. Angewandte Chemie, 2020, 132, 4830-4835.	1.6	36

#	ARTICLE	IF	CITATIONS
146	Communication in tiny packages: Exosomes as means of tumor-stroma communication. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1873, 188340.	3.3	51
147	5-FU-Induced Upregulation of Exosomal PD-L1 Causes Immunosuppression in Advanced Gastric Cancer Patients. Frontiers in Oncology, 2020, 10, 492.	1.3	33
148	Learning from clinical trials of neoadjuvant checkpoint blockade. Nature Medicine, 2020, 26, 475-484.	15.2	107
149	Prospects and challenges of extracellular vesicle-based drug delivery system: considering cell source. Drug Delivery, 2020, 27, 585-598.	2.5	295
150	Emerging therapeutic targets for nasopharyngeal carcinoma: opportunities and challenges. Expert Opinion on Therapeutic Targets, 2020, 24, 545-558.	1.5	9
151	Tumor-Derived Extracellular Vesicles Impair CD171-Specific CD4+ CAR T Cell Efficacy. Frontiers in Immunology, 2020, 11, 531.	2.2	20
152	The Biogenesis, Biology, and Clinical Significance of Exosomal PD-L1 in Cancer. Frontiers in Immunology, 2020, 11, 604.	2.2	51
153	Exosomal PD-L1 induces immunosuppressive nonclassical monocytes. Neuro-Oncology, 2020, 22, 901-902.	0.6	5
154	Targeting PD-1 or PD-L1 in Metastatic Kidney Cancer: Combination Therapy in the First-Line Setting. Clinical Cancer Research, 2020, 26, 2087-2095.	3.2	35
155	Immuno-Oncology Biomarkers for Personalized Immunotherapy in Breast Cancer. Frontiers in Cell and Developmental Biology, 2020, 8, 162.	1.8	21
156	Extracellular Vesicles and Tumor-Immune Escape: Biological Functions and Clinical Perspectives. International Journal of Molecular Sciences, 2020, 21, 2286.	1.8	61
157	Modern Aspects of Immunotherapy with Checkpoint Inhibitors in Melanoma. International Journal of Molecular Sciences, 2020, 21, 2367.	1.8	34
158	Top 100 most-cited articles on exosomes in the field of cancer: a bibliometric analysis and evidence mapping. Clinical and Experimental Medicine, 2021, 21, 181-194.	1.9	16
159	Small molecule inhibitors targeting the PD-1/PD-L1 signaling pathway. Acta Pharmacologica Sinica, 2021, 42, 1-9.	2.8	203
160	Chimeric antigen receptorâ€modified macrophages trigger systemic antiâ€tumour immunity. Journal of Pathology, 2021, 253, 247-257.	2.1	42
161	Exosomes and extracellular vesicles as liquid biopsy biomarkers in diffuse large Bâ€cell lymphoma: Current state of the art and unmet clinical needs. British Journal of Clinical Pharmacology, 2021, 87, 284-294.	1.1	12
162	Exosomes: A new horizon in modern medicine. Life Sciences, 2021, 264, 118623.	2.0	39
163	The cellular and molecular components involved in pre-metastatic niche formation in colorectal cancer liver metastasis. Expert Review of Gastroenterology and Hepatology, 2021, 15, 389-399.	1.4	15

#	Article	IF	CITATIONS
164	Prognostic Value of Soluble Programmed Cell Death Ligand-1 (sPD-L1) in Various Cancers: A Meta-analysis. Targeted Oncology, 2021, 16, 13-26.	1.7	15
165	Tumorâ€derived exosomes in the PDâ€1/PDâ€L1 axis: Significant regulators as well as promising clinical targets. Journal of Cellular Physiology, 2021, 236, 4138-4151.	2.0	17
166	Extracellular vesicles and oncogenic signaling. Molecular Oncology, 2021, 15, 3-26.	2.1	30
167	The role of hypoxiaâ€inducible factor 1 in tumor immune evasion. Medicinal Research Reviews, 2021, 41, 1622-1643.	5.0	157
168	Tumor-derived extracellular vesicles containing microRNA-1290 promote immune escape of cancer cells through the Grhl2/ZEB1/PD-L1 axis in gastric cancer. Translational Research, 2021, 231, 102-112.	2.2	25
169	Ruxolitinib reverses checkpoint inhibition by reducing programmed cell death ligandâ€1 (PDâ€L1) expression and increases antiâ€tumour effects of T cells in multiple myeloma. British Journal of Haematology, 2021, 192, 568-576.	1.2	19
170	Endometrial cell-derived small extracellular vesicle miR-100-5p promotes functions of trophoblast during embryo implantation. Molecular Therapy - Nucleic Acids, 2021, 23, 217-231.	2.3	30
171	Small extracellular vesicles containing miR-30a-3p attenuate the migration and invasion of hepatocellular carcinoma by targeting SNAP23 gene. Oncogene, 2021, 40, 233-245.	2.6	27
172	Blood-based PD-L1 analysis in tumor-derived extracellular vesicles: Applications for optimal use of anti-PD-1/PD-L1 axis inhibitors. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1875, 188463.	3.3	16
173	The potential role of tumor-derived exosomes in diagnosis, prognosis, and response to therapy in cancer. Expert Opinion on Biological Therapy, 2021, 21, 241-258.	1.4	29
174	Exosomes as mediators of immune regulation and immunotherapy in cancer. FEBS Journal, 2021, 288, 10-35.	2.2	110
175	Immune landscape and therapeutic strategies: new insights into PD-L1 in tumors. Cellular and Molecular Life Sciences, 2021, 78, 867-887.	2.4	9
176	Reinvigorating exhausted CD8 ⁺ cytotoxic T lymphocytes in the tumor microenvironment and current strategies in cancer immunotherapy. Medicinal Research Reviews, 2021, 41, 156-201.	5.0	56
177	Transforming growth factor beta orchestrates PD-L1 enrichment in tumor-derived exosomes and mediates CD8 T-cell dysfunction regulating early phosphorylation of TCR signalome in breast cancer. Carcinogenesis, 2021, 42, 38-47.	1.3	46
178	Exploring the conformational dynamics of <scp>PD1</scp> in complex with different ligands: What we can learn for designing novel <scp>PD1</scp> signaling blockers?. Proteins: Structure, Function and Bioinformatics, 2021, 89, 141-148.	1.5	5
179	Role of Exosomes for Delivery of Chemotherapeutic Drugs. Critical Reviews in Therapeutic Drug Carrier Systems, 2021, 38, 53-97.	1.2	35
180	Proteomic Landscape of Exosomes Reveals the Functional Contributions of CD151 in Triple-Negative Breast Cancer. Molecular and Cellular Proteomics, 2021, 20, 100121.	2.5	39
181	<i>YKT6</i> , as a potential predictor of prognosis and immunotherapy response for oral squamous cell carcinoma, is related to cell invasion, metastasis, and CD8+ T cell infiltration. Oncolmmunology, 2021, 10, 1938890.	2.1	46

#	Article	IF	CITATIONS
182	Exosomal Long Non-Coding RNA: Interaction Between Cancer Cells and Non-Cancer Cells. Frontiers in Oncology, 2020, 10, 617837.	1.3	15
183	Extracellular Vesicles in Chemoresistance. Sub-Cellular Biochemistry, 2021, 97, 211-245.	1.0	3
184	Mechanisms underlying low-clinical responses to PD-1/PD-L1 blocking antibodies in immunotherapy of cancer: a key role of exosomal PD-L1., 2021, 9, e001698.		78
185	B16 melanoma control by anti-PD-L1 requires CD8+ T cells and NK cells: application of anti-PD-L1 Abs and Trp2 peptide vaccines. Human Vaccines and Immunotherapeutics, 2021, 17, 1910-1922.	1.4	9
186	PD-L1 cellular nanovesicles carrying rapamycin inhibit alloimmune responses in transplantation. Biomaterials Science, 2021, 9, 1246-1255.	2.6	9
187	Doxorubicin and PD-L1 siRNA co-delivery with stem cell membrane-coated polydopamine nanoparticles for the targeted chemoimmunotherapy of PCa bone metastases. Nanoscale, 2021, 13, 8998-9008.	2.8	61
188	PD-LI Promotes Retraction Fiber Formation and Determines Persistent Cell Migration by Altering Integrin \hat{l}^24 Dynamics. SSRN Electronic Journal, 0, , .	0.4	0
189	Autophagy Blockade Limits HER2+ Breast Cancer Tumorigenesis by Perturbing HER2 Trafficking and Promoting Release Via Small Extracellular Vesicles. Developmental Cell, 2021, 56, 341-355.e5.	3.1	25
190	Immune Deregulation in Sepsis and Septic Shock: Reversing Immune Paralysis by Targeting PD-1/PD-L1 Pathway. Frontiers in Immunology, 2020, 11, 624279.	2.2	58
191	WJMSCâ€derived small extracellular vesicle enhance T cell suppression through PD‣1. Journal of Extracellular Vesicles, 2021, 10, e12067.	5.5	39
192	Phenotypic and Proteomic Analysis Identifies Hallmarks of Blood Circulating Extracellular Vesicles in NSCLC Responders to Immune Checkpoint Inhibitors. Cancers, 2021, 13, 585.	1.7	25
193	Tracing Tumorâ€Derived Exosomal PD‣1 by Dualâ€Aptamer Activated Proximityâ€Induced Droplet Digital PCR. Angewandte Chemie - International Edition, 2021, 60, 7582-7586.	7.2	117
194	Metabolic Factors Affecting Tumor Immunogenicity: What Is Happening at the Cellular Level?. International Journal of Molecular Sciences, 2021, 22, 2142.	1.8	6
195	miR-224-5p Contained in Urinary Extracellular Vesicles Regulates PD-L1 Expression by Inhibiting Cyclin D1 in Renal Cell Carcinoma Cells. Cancers, 2021, 13, 618.	1.7	20
196	Reprogramming the Tumor Microenvironment through Secondâ€Nearâ€Infraredâ€Window Photothermal Genome Editing of <i>PDâ€L1</i> Mediated by Supramolecular Gold Nanorods for Enhanced Cancer Immunotherapy. Advanced Materials, 2021, 33, e2006003.	11.1	131
197	WHSC1/NSD2 regulates immune infiltration in prostate cancer. , 2021, 9, e001374.		17
198	Decoding Melanoma Development and Progression: Identification of Therapeutic Vulnerabilities. Frontiers in Oncology, 2020, 10, 626129.	1.3	48
199	Tracing Tumorâ€Derived Exosomal PD‣1 by Dualâ€Aptamer Activated Proximityâ€Induced Droplet Digital PCR. Angewandte Chemie, 2021, 133, 7660-7664.	1.6	5

#	Article	IF	CITATIONS
200	Circulating RNA biomarkers in diffuse large B-cell lymphoma: a systematic review. Experimental Hematology and Oncology, 2021, 10, 13.	2.0	16
201	Integrin Regulation in Immunological and Cancerous Cells and Exosomes. International Journal of Molecular Sciences, 2021, 22, 2193.	1.8	26
202	Challenges and advances in clinical applications of mesenchymal stromal cells. Journal of Hematology and Oncology, 2021, 14, 24.	6.9	247
203	Clinical Implications of Exosomal PD-L1 in Cancer Immunotherapy. Journal of Immunology Research, 2021, 2021, 1-18.	0.9	29
204	Exosomes as Pleiotropic Players in Pancreatic Cancer. Biomedicines, 2021, 9, 275.	1.4	14
205	Charged Particle and Conventional Radiotherapy: Current Implications as Partner for Immunotherapy. Cancers, 2021, 13, 1468.	1.7	24
206	Could Extracellular Vesicles Contribute to Generation or Awakening of "Sleepy―Metastatic Niches?. Frontiers in Cell and Developmental Biology, 2021, 9, 625221.	1.8	11
207	Immunosuppressive Cell Subsets and Factors in Myeloid Leukemias. Cancers, 2021, 13, 1203.	1.7	16
208	Cellâ€Based Delivery Systems: Emerging Carriers for Immunotherapy. Advanced Functional Materials, 2021, 31, 2100088.	7.8	60
209	Circular RNA CHST15 Sponges miR-155-5p and miR-194-5p to Promote the Immune Escape of Lung Cancer Cells Mediated by PD-L1. Frontiers in Oncology, 2021, 11, 595609.	1.3	24
210	The role of exosomes in tumour immunity under radiotherapy: eliciting abscopal effects?. Biomarker Research, 2021, 9, 22.	2.8	13
211	Neutral Sphingomyelinase 2 Heightens Anti-Melanoma Immune Responses and Anti–PD-1 Therapy Efficacy. Cancer Immunology Research, 2021, 9, 568-582.	1.6	30
212	HuR up-regulates cell surface PD-L1 via stabilizing CMTM6 transcript in cancer. Oncogene, 2021, 40, 2230-2242.	2.6	26
213	Underlying mechanisms and drug intervention strategies for the tumour microenvironment. Journal of Experimental and Clinical Cancer Research, 2021, 40, 97.	3.5	22
214	Radium-223 Treatment Increases Immune Checkpoint Expression in Extracellular Vesicles from the Metastatic Prostate Cancer Bone Microenvironment. Clinical Cancer Research, 2021, 27, 3253-3264.	3.2	26
215	S1 nuclease digestion-based rational truncation of PD-L1 aptamer and establishment of a signal dual amplification aptasensor. Sensors and Actuators B: Chemical, 2021, 331, 129442.	4.0	20
216	Small Extracellular Vesicles: A Novel Avenue for Cancer Management. Frontiers in Oncology, 2021, 11, 638357.	1.3	34
217	The Role of Tumor-Derived Exosomes in the Abscopal Effect and Immunotherapy. Life, 2021, 11, 381.	1.1	8

#	Article	IF	CITATIONS
218	Secretion rates and protein composition of extracellular vesicles released by cancer-associated fibroblasts after radiation. Journal of Radiation Research, 2021, 62, 401-413.	0.8	15
219	Exosomes: Powerful weapon for cancer nano-immunoengineering. Biochemical Pharmacology, 2021, 186, 114487.	2.0	20
220	Urinary extracellular vesicles: a rising star in bladder cancer management. Translational Andrology and Urology, 2021, 10, 1878-1889.	0.6	12
221	Post-translational regulations of PD-L1 and PD-1: Mechanisms and opportunities for combined immunotherapy. Seminars in Cancer Biology, 2022, 85, 246-252.	4.3	38
222	Towards microfluidic-based exosome isolation and detection for tumor therapy. Nano Today, 2021, 37, 101066.	6.2	112
223	Thyroid hormone synthesis continues despite biallelic thyroglobulin mutation with cell death. JCI Insight, 2021, 6, .	2.3	6
224	Exosomes in Liquid Biopsy: The Nanometric World in the Pursuit of Precision Oncology. Cancers, 2021, 13, 2147.	1.7	35
225	Serum-derived exosomal PD-L1 expression to predict anti-PD-1 response and in patients with non-small cell lung cancer. Scientific Reports, 2021, 11, 7830.	1.6	50
226	Professional killers: The role of extracellular vesicles in the reciprocal interactions between natural killer, CD8+ cytotoxic Tâ€eells and tumour cells. Journal of Extracellular Vesicles, 2021, 10, e12075.	5 . 5	33
227	Recent advances in tumor microenvironment-targeted nanomedicine delivery approaches to overcome limitations of immune checkpoint blockade-based immunotherapy. Journal of Controlled Release, 2021, 332, 109-126.	4.8	33
228	Novel Biomarkers of Dynamic Blood PD-L1 Expression for Immune Checkpoint Inhibitors in Advanced Non-Small-Cell Lung Cancer Patients. Frontiers in Immunology, 2021, 12, 665133.	2.2	41
229	Sulindac Modulates the Response of Proficient MMR Colorectal Cancer to Anti–PD-L1 Immunotherapy. Molecular Cancer Therapeutics, 2021, 20, 1295-1304.	1.9	2
230	Co-Isolation of Cytokines and Exosomes: Implications for Immunomodulation Studies. Frontiers in Immunology, 2021, 12, 638111.	2.2	13
231	Erythrocyte-mediated systemic immunotherapy. Nature Biomedical Engineering, 2021, 5, 385-386.	11.6	1
232	The role of exosomal PD-L1 in tumor immunotherapy. Translational Oncology, 2021, 14, 101047.	1.7	31
233	Potential of peptideâ€engineered exosomes with overexpressed miRâ€92bâ€3p in antiâ€angiogenic therapy of ovarian cancer. Clinical and Translational Medicine, 2021, 11, e425.	1.7	28
234	Engineering of Extracellular Vesicles Based on Payload Changes for Tissue Regeneration. Tissue Engineering and Regenerative Medicine, 2021, 18, 485-497.	1.6	9
235	GM-CSF mediates immune evasion via upregulation of PD-L1 expression in extranodal natural killer/T cell lymphoma. Molecular Cancer, 2021, 20, 80.	7.9	17

#	Article	IF	CITATIONS
236	Programmed Death-Ligand 1 as a Regulator of Tumor Progression and Metastasis. International Journal of Molecular Sciences, 2021, 22, 5383.	1.8	10
237	Local oncolytic adenovirotherapy produces an abscopal effect via tumor-derived extracellular vesicles. Molecular Therapy, 2021, 29, 2920-2930.	3.7	14
238	Advances in Biological Function and Clinical Application of Small Extracellular Vesicle Membrane Proteins. Frontiers in Oncology, 2021, 11, 675940.	1.3	19
239	Multi-Omics Perspective Reveals the Different Patterns of Tumor Immune Microenvironment Based on Programmed Death Ligand 1 (PD-L1) Expression and Predictor of Responses to Immune Checkpoint Blockade across Pan-Cancer. International Journal of Molecular Sciences, 2021, 22, 5158.	1.8	3
240	Roles of exosomes in cancer chemotherapy resistance, progression, metastasis and immunity, and their clinical applications (Review). International Journal of Oncology, 2021, 59, .	1.4	20
242	Diagnostic and prognostic potential of the proteomic profiling of serum-derived extracellular vesicles in prostate cancer. Cell Death and Disease, 2021, 12, 636.	2.7	20
243	Glyoxalase-1-Dependent Methylglyoxal Depletion Sustains PD-L1 Expression in Metastatic Prostate Cancer Cells: A Novel Mechanism in Cancer Immunosurveillance Escape and a Potential Novel Target to Overcome PD-L1 Blockade Resistance. Cancers, 2021, 13, 2965.	1.7	14
244	The roles of tumor-derived exosomes in altered differentiation, maturation and function of dendritic cells. Molecular Cancer, 2021, 20, 83.	7.9	47
245	Plasma Extracellular Vesicles Enhance HIV-1 Infection of Activated CD4+ T Cells and Promote the Activation of Latently Infected J-Lat10.6 Cells via miR-139-5p Transfer. Frontiers in Immunology, 2021, 12, 697604.	2,2	14
246	PD-L1 detection on circulating tumor-derived extracellular vesicles (T-EVs) from patients with lung cancer. Translational Lung Cancer Research, 2021, 10, 2441-2451.	1.3	19
247	GPC5 suppresses lung cancer progression and metastasis via intracellular CTDSP1/AhR/ARNT signaling axis and extracellular exosome secretion. Oncogene, 2021, 40, 4307-4323.	2.6	14
248	Extracellular vesicle– and particle-mediated communication shapes innate and adaptive immune responses. Journal of Experimental Medicine, 2021, 218, .	4.2	47
249	Activated T cell-derived exosomal PD-1 attenuates PD-L1-induced immune dysfunction in triple-negative breast cancer. Oncogene, 2021, 40, 4992-5001.	2.6	68
250	Complement factor H protects tumor cell-derived exosomes from complement-dependent lysis and phagocytosis. PLoS ONE, 2021, 16, e0252577.	1.1	10
251	A Checkpointâ€Regulatable Immune Niche Created by Injectable Hydrogel for Tumor Therapy. Advanced Functional Materials, 2021, 31, 2104630.	7.8	65
252	No small matter: emerging roles for exosomal miRNAs in the immune system. FEBS Journal, 2022, 289, 4021-4037.	2.2	10
253	Orexin A Suppresses the Expression of Exosomal PD-L1 in Colon Cancer and Promotes T Cell Activity by Inhibiting JAK2/STAT3 Signaling Pathway. Digestive Diseases and Sciences, 2022, 67, 2173-2181.	1.1	10
254	Regulatory mechanisms of immune checkpoints PD-L1 and CTLA-4 in cancer. Journal of Experimental and Clinical Cancer Research, 2021, 40, 184.	3.5	204

#	ARTICLE	IF	CITATIONS
255	Exosomes in the lung cancer microenvironment: biological functions and potential use as clinical biomarkers. Cancer Cell International, 2021, 21, 333.	1.8	10
256	Tumor microenvironment-based drug discovery: a novel insight into bladder cancer immunotherapy. Chinese Medical Journal, 2021, 134, 1885-1886.	0.9	1
257	Prognostic prospect of soluble programmed cell death ligand-1 in cancer management. Acta Biochimica Et Biophysica Sinica, 2021, 53, 961-978.	0.9	4
258	Exploring interactions between extracellular vesicles and cells for innovative drug delivery system design. Advanced Drug Delivery Reviews, 2021, 173, 252-278.	6.6	55
259	Extracellular Vesicles in Advanced Prostate Cancer: Tools to Predict and Thwart Therapeutic Resistance. Cancers, 2021, 13, 3791.	1.7	5
260	PDL1â€positive exosomes suppress antitumor immunity by inducing tumorâ€specific CD8 ⁺ T cell exhaustion during metastasis. Cancer Science, 2021, 112, 3437-3454.	1.7	33
261	Emerging Role of Extracellular Vesicles in Prostate Cancer. Endocrinology, 2021, 162, .	1.4	5
262	Coupling Aptamerâ€based Protein Tagging with Metabolic Glycan Labeling for In Situ Visualization and Biological Function Study of Exosomal Proteinâ€Specific Glycosylation. Angewandte Chemie, 2021, 133, 18259-18263.	1.6	9
263	Circulating PD-L1 is associated with T cell infiltration and predicts prognosis in patients with CRLM following hepatic resection. Cancer Immunology, Immunotherapy, 2022, 71, 661-674.	2.0	8
264	The role of extracellular vesicles in the physiological and pathological regulation of the blood–brain barrier. FASEB BioAdvances, 2021, 3, 665-675.	1.3	41
265	Inhibition of xCT suppresses the efficacy of anti-PD-1/L1 melanoma treatment through exosomal PD-L1-induced macrophage M2 polarization. Molecular Therapy, 2021, 29, 2321-2334.	3.7	48
266	Engineered extracellular vesicles for concurrent Anti-PDL1 immunotherapy and chemotherapy. Bioactive Materials, 2022, 9, 251-265.	8.6	30
267	Extracellular Vesicles as an Advanced Delivery Biomaterial for Precision Cancer Immunotherapy. Advanced Healthcare Materials, 2022, 11, e2100650.	3.9	27
268	Exosomes as New Biomarkers and Drug Delivery Tools for the Prevention and Treatment of Various Diseases: Current Perspectives. International Journal of Molecular Sciences, 2021, 22, 7763.	1.8	22
269	The multifaceted involvement of exosomes in tumor progression: Induction and inhibition. MedComm, 2021, 2, 297-314.	3.1	10
270	Characterizing the Heterogeneity of Small Extracellular Vesicle Populations in Multiple Cancer Types <i>via</i> an Ultrasensitive Chip. ACS Sensors, 2021, 6, 3182-3194.	4.0	22
271	The role of exosomes in lung cancer metastasis and clinical applications: an updated review. Journal of Translational Medicine, 2021, 19, 312.	1.8	32
272	Coupling Aptamerâ€based Protein Tagging with Metabolic Glycan Labeling for In Situ Visualization and Biological Function Study of Exosomal Proteinâ€Specific Glycosylation. Angewandte Chemie - International Edition, 2021, 60, 18111-18115.	7.2	66

#	Article	IF	CITATIONS
273	A Small Vimentin-Binding Molecule Blocks Cancer Exosome Release and Reduces Cancer Cell Mobility. Frontiers in Pharmacology, 2021, 12, 627394.	1.6	13
274	Oncogene-regulated release of extracellular vesicles. Developmental Cell, 2021, 56, 1989-2006.e6.	3.1	37
275	Nipping disease in the bud: nSMase2 inhibitors as therapeutics in extracellular vesicle-mediated diseases. Drug Discovery Today, 2021, 26, 1656-1668.	3.2	21
276	THADA drives Golgi residency and upregulation of PD-L1 in cancer cells and provides promising target for immunotherapy., 2021, 9, e002443.		16
277	Tumor-Derived Extracellular Vesicles: Their Role in Immune Cells and Immunotherapy. International Journal of Nanomedicine, 2021, Volume 16, 5395-5409.	3.3	25
278	LncRNA nuclearâ€enriched abundant transcript 1 shuttled by prostate cancer cellsâ€secreted exosomes initiates osteoblastic phenotypes in the bone metastatic microenvironment via miRâ€205â€5p/runtâ€related transcription factor 2/splicing factor proline†and glutamineâ€rich/polypyrimidine tractâ€binding protein 2 axis. Clinical and Translational Medicine. 2021. 11. e493.	1.7	35
279	Exosomes and prostate cancer management. Seminars in Cancer Biology, 2022, 86, 101-111.	4.3	11
280	Tumor-derived exosomes: Nanovesicles made by cancer cells to promote cancer metastasis. Acta Pharmaceutica Sinica B, 2021, 11, 2136-2149.	5.7	35
281	Mesenchymal Stem Cell-Derived Exosomes: Applications in Regenerative Medicine. Cells, 2021, 10, 1959.	1.8	171
282	PD-L1 degradation is regulated by electrostatic membrane association of its cytoplasmic domain. Nature Communications, 2021, 12, 5106.	5.8	38
283	Methylseleninic acid overcomes programmed deathâ€ligand 1â€mediated resistance of prostate cancer and lung cancer. Molecular Carcinogenesis, 2021, 60, 746-757.	1.3	9
284	Tumor-Secreted Extracellular Vesicles Regulate T-Cell Costimulation and Can Be Manipulated To Induce Tumor-Specific T-Cell Responses. Gastroenterology, 2021, 161, 560-574.e11.	0.6	47
285	A Novel Microfluidic Chip for Fast, Sensitive Quantification of Plasma Extracellular Vesicles as Biomarkers in Patients With Osteosarcoma. Frontiers in Oncology, 2021, 11, 709255.	1.3	6
286	Exosomal circEIF3K from cancer-associated fibroblast promotes colorectal cancer (CRC) progression via miR-214/PD-L1 axis. BMC Cancer, 2021, 21, 933.	1.1	62
287	Soluble Biomarkers with Prognostic and Predictive Value in Advanced Non-Small Cell Lung Cancer Treated with Immunotherapy. Cancers, 2021, 13, 4280.	1.7	16
288	Intercellular communication through extracellular vesicles in cancer and evolutionary biology. Progress in Biophysics and Molecular Biology, 2021, 165, 80-87.	1.4	6
289	PD-1/PD-L1 immune checkpoints: Tumor vs atherosclerotic progression. Clinica Chimica Acta, 2021, 519, 70-75.	0.5	8
290	PD-L1 expression as a predictive biomarker for immune checkpoint inhibitors: between a dream and a nightmare. Immunotherapy, 2021, 13, 1053-1065.	1.0	16

#	Article	IF	CITATIONS
291	PD-L1 Protein Expression and Gene Amplification Correlate with the Clinicopathological Characteristics and Prognosis of Lung Squamous Cell Carcinoma. Cancer Management and Research, 2021, Volume 13, 6365-6375.	0.9	2
292	Identification of the Immune-Related Genes in Tumor Microenvironment That Associated With the Recurrence of Head and Neck Squamous Cell Carcinoma. Frontiers in Cell and Developmental Biology, 2021, 9, 723721.	1.8	6
293	Non-cytomembrane PD-L1: An atypical target for cancer. Pharmacological Research, 2021, 170, 105741.	3.1	19
294	Endoglin-Aptamer-Functionalized Liposome-Equipped PD-1-Silenced T Cells Enhance Antitumoral Immunotherapeutic Effects. International Journal of Nanomedicine, 2021, Volume 16, 6017-6034.	3.3	10
295	Soluble B7-CD28 Family Inhibitory Immune Checkpoint Proteins and Anti-Cancer Immunotherapy. Frontiers in Immunology, 2021, 12, 651634.	2.2	47
296	Tumor-Derived Exosomes: Hidden Players in PD-1/PD-L1 Resistance. Cancers, 2021, 13, 4537.	1.7	20
297	The mantle exosome proteins of Hyriopsis cumingii participate in shell and nacre color formation. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 39, 100844.	0.4	4
298	Exosomes and organ-specific metastasis. Molecular Therapy - Methods and Clinical Development, 2021, 22, 133-147.	1.8	28
299	The effects of tumorâ€derived exosomes on Tâ€cell function and efficacy of cancer immunotherapy. Immunomedicine, 2021, 1, e1029.	0.7	3
300	Exosomes and extracellular vesicles: Rethinking the essential values in cancer biology. Seminars in Cancer Biology, 2021, 74, 79-91.	4.3	65
301	Tumor-derived exosomes drive immunosuppressive macrophages in a pre-metastatic niche through glycolytic dominant metabolic reprogramming. Cell Metabolism, 2021, 33, 2040-2058.e10.	7.2	200
302	Extracellular vesicles in the tumor immune microenvironment. Cancer Letters, 2021, 516, 48-56.	3.2	25
303	Repurposing macitentan with nanoparticle modulates tumor microenvironment to potentiate immune checkpoint blockade. Biomaterials, 2021, 276, 121058.	5.7	13
304	Liquid Biopsy Biomarkers for Immunotherapy in Non-Small Cell Lung Carcinoma: Lessons Learned and the Road Ahead. Journal of Personalized Medicine, 2021, 11, 971.	1.1	5
305	Coadministration of iRGD peptide with ROS-sensitive nanoparticles co-delivering siFGL1 and siPD-L1 enhanced tumor immunotherapy. Acta Biomaterialia, 2021, 136, 473-484.	4.1	26
306	Exosomes: A Forthcoming Era of Breast Cancer Therapeutics. Cancers, 2021, 13, 4672.	1.7	18
307	Nanoplasmonic Sandwich Immunoassay for Tumor-Derived Exosome Detection and Exosomal PD-L1 Profiling. ACS Sensors, 2021, 6, 3308-3319.	4.0	35
308	Exosomes-mediated tumor treatment: One body plays multiple roles. Asian Journal of Pharmaceutical Sciences, 2022, 17, 385-400.	4.3	11

#	Article	IF	CITATIONS
309	Interaction Between Modern Radiotherapy and Immunotherapy for Metastatic Prostate Cancer. Frontiers in Oncology, 2021, 11, 744679.	1.3	7
310	T lymphocyte membrane-decorated epigenetic nanoinducer of interferons for cancer immunotherapy. Nature Nanotechnology, 2021, 16, 1271-1280.	15.6	75
311	A nanounit strategy reverses immune suppression of exosomal PD-L1 and is associated with enhanced ferroptosis. Nature Communications, 2021, 12, 5733.	5.8	95
312	Biomarkers and Future Perspectives for Hepatocellular Carcinoma Immunotherapy. Frontiers in Oncology, 2021, 11, 716844.	1.3	12
313	The biology, function, and applications of exosomes in cancer. Acta Pharmaceutica Sinica B, 2021, 11, 2783-2797.	5.7	209
314	The generation of PD-L1 and PD-L2 in cancer cells: From nuclear chromatin reorganization to extracellular presentation. Acta Pharmaceutica Sinica B, 2022, 12, 1041-1053.	5.7	27
315	The Key Role of Exosomes on the Pre-metastatic Niche Formation in Tumors. Frontiers in Molecular Biosciences, 2021, 8, 703640.	1.6	38
316	Harnessing EV communication to restore antitumor immunity. Advanced Drug Delivery Reviews, 2021, 176, 113838.	6.6	7
317	PD-L1 regulation revisited: impact on immunotherapeutic strategies. Trends in Molecular Medicine, 2021, 27, 868-881.	3.5	30
318	Extracellular and nuclear PD-L1 in modulating cancer immunotherapy. Trends in Cancer, 2021, 7, 837-846.	3.8	45
320	Landscape of extracellular vesicles in the tumour microenvironment: Interactions with stromal cells and with non-cell components, and impacts on metabolic reprogramming, horizontal transfer of neoplastic traits, and the emergence of therapeutic resistance. Seminars in Cancer Biology, 2021, 74, 24-44.	4.3	34
321	Differences in oncological and toxicity outcomes between programmed cell death-1 and programmed cell death ligand-1 inhibitors in metastatic renal cell carcinoma: A systematic review and meta-analysis. Cancer Treatment Reviews, 2021, 99, 102242.	3.4	13
322	Tumor-derived microparticles promote the progression of triple-negative breast cancer via PD-L1-associated immune suppression. Cancer Letters, 2021, 523, 43-56.	3.2	23
323	Harnessing the therapeutic potential of extracellular vesicles for cancer treatment. Seminars in Cancer Biology, 2021, 74, 92-104.	4.3	9
324	The Immunomodulation Potential of Exosomes in Tumor Microenvironment. Journal of Immunology Research, 2021, 2021, 1-11.	0.9	15
325	Novel phosphatidylserine-binding molecule enhances antitumor T-cell responses by targeting immunosuppressive exosomes in human tumor microenvironments., 2021, 9, e003148.		18
326	Bispecific antibody CD73xEpCAM selectively inhibits the adenosine-mediated immunosuppressive activity of carcinoma-derived extracellular vesicles. Cancer Letters, 2021, 521, 109-118.	3.2	12
327	New insights into exosome mediated tumor-immune escape: Clinical perspectives and therapeutic strategies. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188624.	3.3	29

#	Article	IF	CITATIONS
328	Development of natural products for anti-PD-1/PD-L1 immunotherapy against cancer. Journal of Ethnopharmacology, 2021, 281, 114370.	2.0	25
329	Prognostic features of the tumour microenvironment in oesophageal adenocarcinoma. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188598.	3 . 3	8
330	Correlation of ARNTL2 with Immune Infiltration and Its Role as a Potential Prognostic Biomarker in Lung Adenocarcinoma. Clinical Complementary Medicine and Pharmacology, 2021, 1, 100005.	0.9	4
331	Breast cancer-derived DAMPs enhance cell invasion and metastasis, while nucleic acid scavengers mitigate these effects. Molecular Therapy - Nucleic Acids, 2021, 26, 1-10.	2.3	11
332	Emerging role of exosomes and exosomal microRNA in cancer: pathophysiology and clinical potential. Journal of Cancer Research and Clinical Oncology, 2021, 147, 637-648.	1.2	26
333	An Immunocapture-Based Assay for Detecting Multiple Antigens in Melanoma-Derived Extracellular Vesicles. Methods in Molecular Biology, 2021, 2265, 323-344.	0.4	9
334	EV PD-L1 Contributes to Immunosuppressive CD8 ⁺ T Cells in Peripheral Blood of Pediatric Wilms Tumor. Technology in Cancer Research and Treatment, 2021, 20, 153303382110412.	0.8	3
336	Exosomes in Immune Regulation. Non-coding RNA, 2021, 7, 4.	1.3	23
337	Isolation and Characterization of Extracellular Vesicles from Cell Culture Conditioned Medium for Immunological Studies. Current Protocols in Immunology, 2020, 129, e96.	3.6	8
338	Checkpoints Under Traffic Control: From and to Organelles. Advances in Experimental Medicine and Biology, 2020, 1248, 431-453.	0.8	8
339	Small Molecular Immune Modulators as Anticancer Agents. Advances in Experimental Medicine and Biology, 2020, 1248, 547-618.	0.8	6
340	Actin remodeling and vesicular trafficking at the tumor cell side of the immunological synapse direct evasion from cytotoxic lymphocytes. International Review of Cell and Molecular Biology, 2020, 356, 99-130.	1.6	9
341	Matrine reduces the secretion of exosomal circSLC7A6 from cancer-associated fibroblast to inhibit tumorigenesis of colorectal cancer by regulating CXCR5. Biochemical and Biophysical Research Communications, 2020, 527, 638-645.	1.0	41
342	miR-20a-5p is enriched in hypoxia-derived tubular exosomes and protects against acute tubular injury. Clinical Science, 2020, 134, 2223-2234.	1.8	32
344	Senescent T cells within suppressive tumor microenvironments: emerging target for tumor immunotherapy. Journal of Clinical Investigation, 2020, 130, 1073-1083.	3.9	53
345	The role of extracellular vesicles in prostate cancer with clinical applications. Endocrine-Related Cancer, 2020, 27, R133-R144.	1.6	12
346	A review of mechanisms of resistance to immune checkpoint inhibitors and potential strategies for therapy., 2020, 3, 252-275.		18
347	The Role of Tumor-Derived Vesicles in the Regulation of Antitumor Immunity. Acta Naturae, 2019, 11, 33-41.	1.7	18

#	Article	IF	CITATIONS
348	Progress and Challenges in Precise Treatment of Tumors With PD-1/PD-L1 Blockade. Frontiers in Immunology, 2020, 11, 339.	2.2	77
349	Exosomes: Their Role in Pathogenesis, Diagnosis and Treatment of Diseases. Cancers, 2021, 13, 84.	1.7	36
350	Extracellular Vesicles for Cancer Therapy: Impact of Host Immune Response. Cells, 2020, 9, 224.	1.8	10
352	Soluble PD-L1 generated by endogenous retroelement exaptation is a receptor antagonist. ELife, 2019, 8,	2.8	44
353	The tumor microenvironment as a metabolic barrier to effector T cells and immunotherapy. ELife, 2020, 9, .	2.8	168
354	The Emerging Role of Exosomes as Cancer Theranostics. Nanotechnology in the Life Sciences, 2021, , 297-315.	0.4	1
355	Emerging role of tumor-derived extracellular vesicles in T cell suppression and dysfunction in the tumor microenvironment., 2021, 9, e003217.		29
356	Drug resistance of targeted therapy for advanced non-small cell lung cancer harbored EGFR mutation: from mechanism analysis to clinical strategy. Journal of Cancer Research and Clinical Oncology, 2021, 147, 3653-3664.	1.2	19
357	Neddylation of Corola determines the fate of multivesicular bodies and biogenesis of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12153.	5 . 5	25
358	Effects of Tumor-Derived Exosome Programmed Death Ligand 1 on Tumor Immunity and Clinical Applications. Frontiers in Cell and Developmental Biology, 2021, 9, 760211.	1.8	9
360	Hallmarks of response, resistance, and toxicity to immune checkpoint blockade. Cell, 2021, 184, 5309-5337.	13.5	588
361	Application of extracellular vesicles in the diagnosis and treatment of prostate cancer: implications for clinical practice. Critical Reviews in Oncology/Hematology, 2021, 167, 103495.	2.0	11
362	Non-immune Cell Components in the Gastrointestinal Tumor Microenvironment Influencing Tumor Immunotherapy. Frontiers in Cell and Developmental Biology, 2021, 9, 729941.	1.8	4
363	Crosstalk Between the Tumor Microenvironment and Cancer Cells: A Promising Predictive Biomarker for Immune Checkpoint Inhibitors. Frontiers in Cell and Developmental Biology, 2021, 9, 738373.	1.8	15
364	Recent advances in primary resistance mechanisms against immune checkpoint inhibitors. Current Opinion in Oncology, 2022, 34, 95-106.	1.1	9
365	Extracellular vesicles: mediators of intercellular communication in tissue injury and disease. Cell Communication and Signaling, 2021, 19, 104.	2.7	78
366	Serological assessment of collagen fragments and tumor fibrosis may guide immune checkpoint inhibitor therapy. Journal of Experimental and Clinical Cancer Research, 2021, 40, 326.	3.5	19
367	Integrins in exosomes. Japanese Journal of Thrombosis and Hemostasis, 2019, 30, 596-602.	0.1	0

#	Article	IF	CITATIONS
369	Extracellular Vesicles and Their Roles in Cancer Progression. Methods in Molecular Biology, 2021, 2174, 143-170.	0.4	82
370	Immunometabolism and Its Potential to Improve the Current Limitations of Immunotherapy. Methods in Molecular Biology, 2020, 2184, 233-263.	0.4	1
371	Personalized Immuno-Oncology. , 2021, , 479-508.		2
372	Universal extracellular vesicles and PD-L1+ extracellular vesicles detected by single molecule array technology as circulating biomarkers for diffuse large B cell lymphoma. Oncolmmunology, 2021, 10, 1995166.	2.1	12
373	Nucleic-Acid Scavengers Mitigate Breast Cancer Induced Inflammation, Invasion, and Metastasis. SSRN Electronic Journal, 0, , .	0.4	1
374	The roles of exosomal immune checkpoint proteins in tumors. Military Medical Research, 2021, 8, 56.	1.9	12
375	Targeting the immune checkpoint B7-H3 for next-generation cancer immunotherapy. Cancer Immunology, Immunotherapy, 2022, 71, 1549-1567.	2.0	20
376	CD73-positive extracellular vesicles promote glioblastoma immunosuppression by inhibiting T-cell clonal expansion. Cell Death and Disease, 2021, 12, 1065.	2.7	30
379	BMAL1 induces colorectal cancer metastasis by stimulating exosome secretion. Molecular Biology Reports, 2022, 49, 373-384.	1.0	11
380	Clinical significance of circulating exosomal PD-L1 and soluble PD-L1 in extranodal NK/T-cell lymphoma, nasal-type. American Journal of Cancer Research, 2020, 10, 4498-4512.	1.4	6
381	Extracellular vesicles in Inter-Kingdom communication in gastrointestinal cancer. American Journal of Cancer Research, 2021, 11, 1087-1103.	1.4	2
382	Disposable amperometric immunosensor with a dual monomers-based bioconjugate for granzyme B detection in blood and cancer progress monitoring of patients. Biosensors and Bioelectronics, 2022, 198, 113846.	5.3	10
384	Tumorâ€derived exosomal PD‣1 in progression of cancer and immunotherapy. Journal of Cellular Physiology, 2022, 237, 1648-1660.	2.0	10
385	The Role of Exosomes and Their Applications in Cancer. International Journal of Molecular Sciences, 2021, 22, 12204.	1.8	64
386	Tumor-Associated Exosomes: A Potential Therapeutic Target for Restoring Anti-Tumor T Cell Responses in Human Tumor Microenvironments. Cells, 2021, 10, 3155.	1.8	11
387	GOLM1 exacerbates CD8+ T cell suppression in hepatocellular carcinoma by promoting exosomal PD-L1 transport into tumor-associated macrophages. Signal Transduction and Targeted Therapy, 2021, 6, 397.	7.1	58
388	23â€Validation of PD-L1 dynamic expression on extracellular vesicles as a predictor of response to immune-checkpoint inhibitors and survival in non-small cell lung cancer patients. , 2021, 9, A25-A26.		0
389	Posttranslational Modifications in PD-L1 Turnover and Function: From Cradle to Grave. Biomedicines, 2021, 9, 1702.	1.4	11

#	Article	IF	CITATIONS
390	The Importance of Exosomal PD-L1 in Cancer Progression and Its Potential as a Therapeutic Target. Cells, 2021, 10, 3247.	1.8	24
391	Immune Checkpoint Inhibitor Therapy for Bone Metastases: Specific Microenvironment and Current Situation. Journal of Immunology Research, 2021, 2021, 1-18.	0.9	21
392	Emerging role of exosomes as biomarkers in cancer treatment and diagnosis. Critical Reviews in Oncology/Hematology, 2022, 169, 103565.	2.0	49
393	Extracellular Vesicles and Glycosylation. Advances in Experimental Medicine and Biology, 2021, 1325, 137-149.	0.8	6
394	Cancer-specific type-l interferon receptor signaling promotes cancer stemness and effector CD8+T-cell exhaustion. Oncolmmunology, 2021, 10, 1997385.	2.1	23
395	The Role of Small Extracellular Vesicles in the Progression of Colorectal Cancer and Its Clinical Applications. International Journal of Molecular Sciences, 2022, 23, 1379.	1.8	8
396	Tumor-Derived Exosomes in Tumor-Induced Immune Suppression. International Journal of Molecular Sciences, 2022, 23, 1461.	1.8	28
397	Exosomes Regulate NLRP3 Inflammasome in Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 802509.	1.8	11
398	Phototheranostic Metal-Phenolic Networks with Antiexosomal PD-L1 Enhanced Ferroptosis for Synergistic Immunotherapy. Journal of the American Chemical Society, 2022, 144, 787-797.	6.6	142
399	Exosomes in the hypoxic TME: from release, uptake and biofunctions to clinical applications. Molecular Cancer, 2022, 21, 19.	7.9	63
400	Enhancing the anti-leukemia immunity of acute lymphocytic leukemia-derived exosome-based vaccine by downregulation of PD-L1 expression. Cancer Immunology, Immunotherapy, 2022, 71, 2197-2212.	2.0	9
402	Soluble PD-L1 as a predictive biomarker in lung cancer: a systematic review and meta-analysis. Future Oncology, 2022, 18, 261-273.	1.1	10
403	ICAM-1-mediated adhesion is a prerequisite for exosome-induced TÂcell suppression. Developmental Cell, 2022, 57, 329-343.e7.	3.1	42
404	Extracellular Vesicles as Mediators of Therapy Resistance in the Breast Cancer Microenvironment. Biomolecules, 2022, 12, 132.	1.8	7
405	Enigmatic role of exosomes in breast cancer progression and therapy. Life Sciences, 2022, 289, 120210.	2.0	16
406	Circulating ACE2-expressing extracellular vesicles block broad strains of SARS-CoV-2. Nature Communications, 2022, 13, 405.	5.8	92
407	Extracellular vesicle PD-L1 in reshaping tumor immune microenvironment: biological function and potential therapy strategies. Cell Communication and Signaling, 2022, 20, 14.	2.7	23
408	PD‣1 in circulating exosomes of Merkel cell carcinoma. Experimental Dermatology, 2022, 31, 869-877.	1.4	6

#	Article	IF	CITATIONS
409	Extracellular vesicles containing PD-L1 contribute to CD8+ T-cell immune suppression and predict poor outcomes in small cell lung cancer. Clinical and Experimental Immunology, 2022, 207, 307-317.	1.1	21
410	A prospective phase II clinical trial identifying the optimal regimen for carboplatin plus standard backbone of anthracycline and taxane-based chemotherapy in triple negative breast cancer. Medical Oncology, 2022, 39, 49.	1.2	5
411	Myricetin inhibits interferon- \hat{l}^3 -induced PD-L1 and IDO1 expression in lung cancer cells. Biochemical Pharmacology, 2022, 197, 114940.	2.0	20
412	The interweaving relationship between extracellular vesicles and T cells in cancer. Cancer Letters, 2022, 530, 1-7.	3.2	11
413	Tumor-derived exosomes: immune properties and clinical application in lung cancer. Cancer Drug Resistance (Alhambra, Calif), 2022, 5, 102-113.	0.9	5
414	Macitentan improves antitumor immune responses by inhibiting the secretion of tumor-derived extracellular vesicle PD-L1. Theranostics, 2022, 12, 1971-1987.	4.6	30
415	Mechanisms regulating PD-L1 expression in cancers and associated opportunities for novel small-molecule therapeutics. Nature Reviews Clinical Oncology, 2022, 19, 287-305.	12.5	155
416	4-1BBL–containing leukemic extracellular vesicles promote immunosuppressive effector regulatory T cells. Blood Advances, 2022, 6, 1879-1894.	2.5	13
417	PD-L1 signaling in reactive astrocytes counteracts neuroinflammation and ameliorates neuronal damage after traumatic brain injury. Journal of Neuroinflammation, 2022, 19, 43.	3.1	21
418	The mouse resource at National Resource Center for Mutant Mice. Mammalian Genome, 2022, 33, 143-156.	1.0	2
420	Therapy-induced modulation of extracellular vesicles in hepatocellular carcinoma. Seminars in Cancer Biology, 2022, 86, 1088-1101.	4.3	3
421	What Do We Have to Know about PD-L1 Expression in Prostate Cancer? A Systematic Literature Review. Part 7: PD-L1 Expression in Liquid Biopsy. Journal of Personalized Medicine, 2021, 11, 1312.	1.1	6
422	New insights into checkpoint inhibitor immunotherapy and its combined therapies in hepatocellular carcinoma: from mechanisms to clinical trials. International Journal of Biological Sciences, 2022, 18, 2775-2794.	2.6	27
423	Unraveling a Conserved Conformation of the FG Loop upon the Binding of Natural Ligands to the Human and Murine PD1. Journal of Physical Chemistry B, 2022, 126, 1441-1446.	1.2	1
424	EBV miRNAs BART11 and BART17-3p promote immune escape through the enhancer-mediated transcription of PD-L1. Nature Communications, 2022, 13, 866.	5.8	51
425	Immune checkpoint silencing using RNAi-incorporated nanoparticles enhances antitumor immunity and therapeutic efficacy compared with antibody-based approaches., 2022, 10, e003928.		10
426	Myeloid Responses to Extracellular Vesicles in Health and Disease. Frontiers in Immunology, 2022, 13, 818538.	2.2	2
427	Plasma extracellular vesicle derived protein profile predicting and monitoring immunotherapeutic outcomes of gastric cancer. Journal of Extracellular Vesicles, 2022, 11, e12209.	5 . 5	18

#	Article	IF	CITATIONS
428	Challenges of the Immunotherapy: Perspectives and Limitations of the Immune Checkpoint Inhibitor Treatment. International Journal of Molecular Sciences, 2022, 23, 2847.	1.8	19
429	Exosomal CD73 from serum of patients with melanoma suppresses lymphocyte functions and is associated with therapy resistance to anti-PD-1 agents. , 2022, 10, e004043.		34
430	Liquid biopsy at the frontier of detection, prognosis and progression monitoring in colorectal cancer. Molecular Cancer, 2022, 21, 86.	7.9	72
431	LSD1 deletion decreases exosomal PD-L1 and restores T-cell response in gastric cancer. Molecular Cancer, 2022, 21, 75.	7.9	54
432	Recent advances in overcoming barriers to cellâ€based delivery systems for cancer immunotherapy. Exploration, 2022, 2, .	5.4	68
433	Biological Characteristics and Clinical Significance of Soluble PD-1/PD-L1 and Exosomal PD-L1 in Cancer. Frontiers in Immunology, 2022, 13, 827921.	2.2	43
434	Cell-surface tethered promiscuous biotinylators enable comparative small-scale surface proteomic analysis of human extracellular vesicles and cells. ELife, 2022, 11 , .	2.8	16
435	Association of the rs4143815 polymorphism of PDL1 gene with HTLVâ€1 infection and proviral load in asymptomatic blood donors in northeast Iran. Microbiology and Immunology, 2022, , .	0.7	1
436	Understanding of Immune Escape Mechanisms and Advances in Cancer Immunotherapy. Journal of Oncology, 2022, 2022, 1-13.	0.6	13
437	Tumor Derived Extracellular Vesicles Drive T Cell Exhaustion in Tumor Microenvironment through Sphingosine Mediated Signaling and Impacting Immunotherapy Outcomes in Ovarian Cancer. Advanced Science, 2022, 9, e2104452.	5.6	20
438	Exosomes for Regulation of Immune Responses and Immunotherapy. Journal of Nanotheranostics, 2022, 3, 55-85.	1.7	16
439	IL-3 signalling in the tumour microenvironment shapes the immune response via tumour endothelial cell-derived extracellular vesicles. Pharmacological Research, 2022, 179, 106206.	3.1	11
440	FOXP3 Contributes to TMZ Resistance, Prognosis, and Immune Infiltration in GBM from a Novel Pyroptosis-Associated Risk Signature. Disease Markers, 2022, 2022, 1-21.	0.6	6
441	Making a sPLAsh: The expanding repertoire of EV signaling. Cell Metabolism, 2022, 34, 508-510.	7.2	1
442	Patient-Derived Tumor Organoids: New Progress and Opportunities to Facilitate Precision Cancer Immunotherapy. Frontiers in Oncology, 2022, 12, 872531.	1.3	16
443	Platelet Pharmacytes for the Hierarchical Amplification of Antitumor Immunity in Response to Selfâ€Generated Immune Signals. Advanced Materials, 2022, 34, e2109517.	11.1	31
444	Integrated microfluidic system for isolating exosome and analyzing protein marker PD-L1. Biosensors and Bioelectronics, 2022, 204, 113879.	5.3	28
445	An electrochemical biosensor for the assessment of tumor immunotherapy based on the detection of immune checkpoint protein programmed death ligand-1. Biosensors and Bioelectronics, 2022, 207, 114166.	5.3	14

#	Article	IF	CITATIONS
446	Current methods and emerging approaches for detection of programmed death ligand 1. Biosensors and Bioelectronics, 2022, 208, 114179.	5.3	3
447	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. Sensors and Actuators B: Chemical, 2022, 362, 131813.	4.0	30
448	Strategies for Engineering Exosomes and Their Applications in Drug Delivery. Journal of Biomedical Nanotechnology, 2021, 17, 2271-2297.	0.5	12
449	Sulfisoxazole Elicits Robust Antitumour Immune Response Along with Immune Checkpoint Therapy by Inhibiting Exosomal PD‣1. Advanced Science, 2022, 9, e2103245.	5.6	22
450	The foundations of immune checkpoint blockade and the ipilimumab approval decennial. Nature Reviews Drug Discovery, 2022, 21, 509-528.	21.5	201
451	TGFÎ ² : Signaling Blockade for Cancer Immunotherapy. Annual Review of Cancer Biology, 2022, 6, .	2.3	7
452	Exosomal PD-L1 confers chemoresistance and promotes tumorigenic properties in esophageal cancer cells via upregulating STAT3/miR-21. Gene Therapy, 2023, 30, 88-100.	2.3	12
453	Extracellular Vesicles and Transforming Growth Factor \hat{l}^2 Signaling in Cancer. Frontiers in Cell and Developmental Biology, 2022, 10, 849938.	1.8	14
454	Liquid biopsy for early diagnosis of non-small cell lung carcinoma: recent research and detection technologies. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188729.	3.3	13
455	Irradiated Cell-Derived Exosomes Transmit Essential Molecules Inducing Radiation Therapy Resistance. International Journal of Radiation Oncology Biology Physics, 2022, 113, 192-202.	0.4	5
456	Bioprobes-regulated precision biosensing of exosomes: From the nanovesicle surface to the inside. Coordination Chemistry Reviews, 2022, 463, 214538.	9.5	14
468	A photoresponsive antibody–siRNA conjugate for activatable immunogene therapy of cancer. Chemical Science, 2022, 13, 5345-5352.	3.7	16
469	Characterization of plasma circulating small extracellular vesicles in patients with metastatic solid tumors and newly diagnosed brain metastasis. Oncolmmunology, 2022, 11, 2067944.	2.1	12
470	Extracellular Vesicles Mediate Immune Responses to Tissue-Associated Self-Antigens: Role in Solid Organ Transplantations. Frontiers in Immunology, 2022, 13, 861583.	2.2	5
471	Bio-Conjugated Magnetic-Fluorescence Nanoarchitectures for the Capture and Identification of Lung-Tumor-Derived Programmed Cell Death Lighand 1-Positive Exosomes. ACS Omega, 2022, 7, 16035-16042.	1.6	5
472	The biogenesis and secretion of exosomes and multivesicular bodies (MVBs): Intercellular shuttles and implications in human diseases. Genes and Diseases, 2023, 10, 1894-1907.	1.5	25
473	Gp350-anchored extracellular vesicles: promising vehicles for delivering therapeutic drugs of B cell malignancies. Asian Journal of Pharmaceutical Sciences, 2022, 17, 462-474.	4.3	6
474	Exosomes and ferroptosis: roles in tumour regulation and new cancer therapies. PeerJ, 2022, 10, e13238.	0.9	7

#	Article	IF	CITATIONS
475	Engineered nanomedicines block the PD-1/PD-L1 axis for potentiated cancer immunotherapy. Acta Pharmacologica Sinica, 2022, 43, 2749-2758.	2.8	16
476	Extracellular Vesicles—A New Potential Player in the Immunology of Renal Cell Carcinoma. Journal of Personalized Medicine, 2022, 12, 772.	1.1	1
477	Pembrolizumab in Combination with Neoadjuvant Chemoradiotherapy for Patients with Resectable Adenocarcinoma of the Gastroesophageal Junction. Clinical Cancer Research, 2022, 28, 3021-3031.	3.2	32
478	CD73 in small extracellular vesicles derived from HNSCC defines tumourâ€associated immunosuppression mediated by macrophages in the microenvironment. Journal of Extracellular Vesicles, 2022, 11, e12218.	5.5	31
480	Immunosuppressive Extracellular Vesicles as a Linking Factor in the Development of Tumor and Endometriotic Lesions in the Gynecologic Tract. Cells, 2022, 11, 1483.	1.8	4
481	Rescuing Cancer Immunity by Plasma Exchange in Metastatic Melanoma (ReCIPE-M1): protocol for a single-institution, open-label safety trial of plasma exchange to clear sPD-L1 for immunotherapy. BMJ Open, 2022, 12, e050112.	0.8	6
482	Functionalized Macrophage Exosomes with Panobinostat and PPM1Dâ€siRNA for Diffuse Intrinsic Pontine Gliomas Therapy. Advanced Science, 2022, 9, e2200353.	5 . 6	29
483	Small extracellular vesicles induce resistance to anti-GD2 immunotherapy unveiling tipifarnib as an adjunct to neuroblastoma immunotherapy., 2022, 10, e004399.		18
484	Targeting type $\hat{\mathbb{I}}^3$ phosphatidylinositol phosphate kinase overcomes oxaliplatin resistance in colorectal cancer. Theranostics, 2022, 12, 4386-4398.	4.6	3
486	PD-L1 Protein Expression Is Associated With Good Clinical Outcomes and Nomogram for Prediction of Disease Free Survival and Overall Survival in Breast Cancer Patients Received Neoadjuvant Chemotherapy. Frontiers in Immunology, 2022, 13, .	2.2	5
487	Nasopharyngeal cancer cellâ€derived exosomal <scp>PD‣1</scp> inhibits <scp>CD8</scp> + Tâ€cell activity and promotes immune escape. Cancer Science, 2022, 113, 3044-3054.	1.7	20
488	Low-dose IL-2 prevents murine chronic cardiac allograft rejection: Role for IL-2-induced T regulatory cells and exosomes with PD-L1 and CD73. American Journal of Transplantation, 2022, 22, 2180-2194.	2.6	12
489	Challenges and the Evolving Landscape of Assessing Blood-Based PD-L1 Expression as a Biomarker for Anti-PD-(L)1 Immunotherapy. Biomedicines, 2022, 10, 1181.	1.4	8
490	Extracellular vesicles: from bench to bedside. , 2022, 1, .		3
491	The Alteration of T-Cell Heterogeneity and PD-L1 Colocalization During dMMR Colorectal Cancer Progression Defined by Multiplex Immunohistochemistry. Frontiers in Oncology, 0, 12, .	1.3	0
492	Noncanonical PD-1/PD-L1 Axis in Relation to the Efficacy of Anti-PD Therapy. Frontiers in Immunology, 0, 13, .	2.2	3
493	Exosome Carrier Effects; Resistance to Digestion in Phagolysosomes May Assist Transfers to Targeted Cells; II Transfers of miRNAs Are Better Analyzed via Systems Approach as They Do Not Fit Conventional Reductionist Stoichiometric Concepts. International Journal of Molecular Sciences, 2022, 23, 6192.	1.8	5
494	Plasma extracellular vesicles bearing PD-L1, CD40, CD40L or TNF-RII are significantly reduced after treatment of AIDS-NHL. Scientific Reports, 2022, 12, .	1.6	2

#	Article	IF	CITATIONS
495	Tumor-Derived Extracellular Vesicles Predict Clinical Outcomes in Oligometastatic Prostate Cancer and Suppress Antitumor Immunity. International Journal of Radiation Oncology Biology Physics, 2022, 114, 725-737.	0.4	6
496	Extracellular vesicle PD-L1 dynamics predict durable response to immune-checkpoint inhibitors and survival in patients with \hat{A} non-small cell lung cancer. Journal of Experimental and Clinical Cancer Research, 2022, 41, .	3.5	39
497	Hypoxia-inducible factors: master regulators of hypoxic tumor immune escape. Journal of Hematology and Oncology, 2022, 15 , .	6.9	112
498	Exosome secretion from hypoxic cancer cells reshapes the tumor microenvironment and mediates drug resistance. Cancer Drug Resistance (Alhambra, Calif), 2022, 5, 577-94.	0.9	7
499	Extracellular vesicles in cancer therapy. Seminars in Cancer Biology, 2022, 86, 296-309.	4.3	23
500	The Effect of Hypoxia-Induced Exosomes on Anti-Tumor Immunity and Its Implication for Immunotherapy. Frontiers in Immunology, 0, 13 , .	2.2	6
501	Small extracellular vesicles derived from PD-L1-modified mesenchymal stem cell promote Tregs differentiation and prolong allograft survival. Cell and Tissue Research, 2022, 389, 465-481.	1.5	6
502	Recent Advancements of Monotherapy, Combination, and Sequential Treatment of EGFR/ALK-TKIs and ICIs in Non–Small Cell Lung Cancer. Frontiers in Pharmacology, 0, 13, .	1.6	3
503	Current Status, Opportunities, and Challenges of Exosomes in Oral Cancer Diagnosis and Treatment. International Journal of Nanomedicine, 0, Volume 17, 2679-2705.	3.3	13
504	Small extracellular vesicle PD-L1 in cancer: the knowns and unknowns. Npj Precision Oncology, 2022, 6, .	2.3	16
505	Bone Metastasis and Immune Checkpoint Inhibitors in Non-Small Cell Lung Cancer (NSCLC): Microenvironment and Possible Clinical Implications. International Journal of Molecular Sciences, 2022, 23, 6832.	1.8	15
506	Extracellular vesicle-based macromolecule delivery systems in cancer immunotherapy. Journal of Controlled Release, 2022, 348, 572-589.	4.8	10
507	Regulation of in vivo fate of exosomes for therapeutic applications: New frontier in nanomedicines. Journal of Controlled Release, 2022, 348, 483-488.	4.8	7
508	Exosome-mediated remodeling of the tumor microenvironment: From local to distant intercellular communication. Cancer Letters, 2022, 543, 215796.	3.2	31
509	Liquid Biopsies: Flowing Biomarkers. Advances in Experimental Medicine and Biology, 2022, , 341-368.	0.8	1
510	Insight into the molecular mechanisms of gastric cancer stem cell in drug resistance of gastric cancer. Cancer Drug Resistance (Alhambra, Calif), 2022, 5, 794-813.	0.9	2
511	HRS phosphorylation drives immunosuppressive exosome secretion and restricts CD8+ T-cell infiltration into tumors. Nature Communications, 2022, 13, .	5.8	23
512	Active PD-L1 incorporation within HIV virions functionally impairs T follicular helper cells. PLoS Pathogens, 2022, 18, e1010673.	2.1	4

#	Article	IF	CITATIONS
513	SYK Is Associated With Malignant Phenotype and Immune Checkpoints in Diffuse Glioma. Frontiers in Genetics, $0,13,1$	1.1	3
514	Tumor-derived exosomes in the cancer immune microenvironment and cancer immunotherapy. Cancer Letters, 2022, 548, 215823.	3.2	21
515	Resistance to TKIs in EGFR-Mutated Non-Small Cell Lung Cancer: From Mechanisms to New Therapeutic Strategies. Cancers, 2022, 14, 3337.	1.7	21
516	Scavenging Tumorâ€Derived Small Extracellular Vesicles by Functionalized 2D Materials to Inhibit Tumor Regrowth and Metastasis Following Radiotherapy. Advanced Functional Materials, 2022, 32, .	7.8	8
517	Generation, secretion and degradation of cancer immunotherapy target PD-L1. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	5
518	Are extracellular vesicles ready for the clinical laboratory?. Laboratoriums Medizin, 2022, 46, 273-282.	0.1	9
519	<scp>USP8</scp> promotes cancer progression and extracellular vesicleâ€mediated <scp>CD8</scp> + T cell exhaustion by deubiquitinating the <scp>TGF</scp> â€Î² receptor <scp>TβRII</scp> . EMBO Journal, 2022, 41, .	3.5	20
520	Exosomes in urological diseases - Biological functions and clinical applications. Cancer Letters, 2022, 544, 215809.	3.2	10
521	Extracellular vesicles engineered to bind albumin demonstrate extended circulation time and lymph node accumulation in mouse models. Journal of Extracellular Vesicles, 2022, 11, .	5.5	20
522	A secretory form of Parkinâ€independent mitophagy contributes to the repertoire of extracellular vesicles released into the tumour interstitial fluid in vivo. Journal of Extracellular Vesicles, 2022, 11, .	5.5	4
523	Targeted Therapy of Lung Adenocarcinoma by the Nanoplatform Based on Milk Exosomes Loaded with Paclitaxel. Journal of Biomedical Nanotechnology, 2022, 18, 1075-1083.	0.5	9
524	Breast cancer cell-derived extracellular vesicles promote CD8+ T cell exhaustion via TGF-β type II receptor signaling. Nature Communications, 2022, 13, .	5.8	43
525	Selective isolation of extracellular vesicles from minimally processed human plasma as a translational strategy for liquid biopsies. Biomarker Research, 2022, 10, .	2.8	8
526	Revealing the crosstalk between nasopharyngealÂcarcinoma and immune cells in the tumor microenvironment. Journal of Experimental and Clinical Cancer Research, 2022, 41, .	3.5	10
527	Role of Exosomes in Immunotherapy of Hepatocellular Carcinoma. Cancers, 2022, 14, 4036.	1.7	5
528	Tumour Derived Extracellular Vesicles: Challenging Target to Blunt Tumour Immune Evasion. Cancers, 2022, 14, 4020.	1.7	6
529	Lipid metabolism in ferroptosis and ferroptosis-based cancer therapy. Frontiers in Oncology, 0, 12, .	1.3	10
530	Qingfei Jiedu decoction inhibits PD-L1 expression in lung adenocarcinoma based on network pharmacology analysis, molecular docking and experimental verification. Frontiers in Pharmacology, 0, 13, .	1.6	9

#	Article	IF	CITATIONS
531	Hyperthermia combined with immune checkpoint inhibitor therapy in the treatment of primary and metastatic tumors. Frontiers in Immunology, $0,13,1$	2.2	8
532	From rough to precise: PD-L1 evaluation for predicting the efficacy of PD-1/PD-L1 blockades. Frontiers in Immunology, 0, 13, .	2.2	20
533	Biomarkers for response to immunotherapy in hepatobiliary malignancies. Hepatobiliary and Pancreatic Diseases International, 2022, 21, 413-419.	0.6	12
534	Blockade of exosome release alters HER2 trafficking to the plasma membrane and gives a boost to Trastuzumab. Clinical and Translational Oncology, 2023, 25, 185-198.	1.2	4
535	Roles of exosomes as drug delivery systems in cancer immunotherapy: a mini-review. Discover Oncology, 2022, 13, .	0.8	13
536	Extracellular vesicle-mediated immunoregulation in cancer. International Journal of Hematology, 0, , .	0.7	3
537	Temsirolimus Enhances Anti-Cancer Immunity by Inducing Autophagy-Mediated Degradation of the Secretion of Small Extracellular Vesicle PD-L1. Cancers, 2022, 14, 4081.	1.7	8
539	Vascular Smooth Muscle Cell Neutral Sphingomyelinase 2 in the Release of Exosomes and Vascular Calcification. International Journal of Molecular Sciences, 2022, 23, 9178.	1.8	6
540	A shared, stochastic pathway mediates exosome protein budding along plasma and endosome membranes. Journal of Biological Chemistry, 2022, 298, 102394.	1.6	36
541	Combination of microtubule targeting agents with other antineoplastics for cancer treatment. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188777.	3.3	12
542	Simultaneous detection of cancerous exosomal miRNA-21 and PD-L1 with a sensitive dual-cycling nanoprobe. Biosensors and Bioelectronics, 2022, 216, 114636.	5.3	16
543	Targeted inhibition of tumor-derived exosomes as a novel therapeutic option for cancer. Experimental and Molecular Medicine, 2022, 54, 1379-1389.	3.2	20
544	Immunotherapy resistance in esophageal cancer: Possible mechanisms and clinical implications. Frontiers in Immunology, 0, 13 , .	2.2	15
545	Development of an exosome-related and immune microenvironment prognostic signature in colon adenocarcinoma. Frontiers in Genetics, 0, 13 , .	1.1	4
546	The distinct roles of exosomes in innate immune responses and therapeutic applications in cancer. European Journal of Pharmacology, 2022, 933, 175292.	1.7	21
547	Downregulation of exosomal MHC-I promotes glioma cells escaping from systemic immunosurveillance. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 46, 102605.	1.7	5
548	Role for exosomes with self-antigens and immune regulatory molecules in allo- and auto-immunity leading to chronic immune injury following murine kidney transplantation. Transplant Immunology, 2022, 75, 101702.	0.6	1
549	Antigen transfer and its effect on vaccine-induced immune amplification and tolerance. Theranostics, 2022, 12, 5888-5913.	4.6	8

#	Article	IF	CITATIONS
550	Cancer-associated fibroblasts as accomplices to confer therapeutic resistance in cancer. Cancer Drug Resistance (Alhambra, Calif), 0, 5, 889-901.	0.9	6
551	Systemic Regulation of Metastatic Disease by Extracellular Vesicles and Particles. , 2022, , 9-39.		0
552	Urine exosomes as biomarkers in bladder cancer diagnosis and prognosis: From functional roles to clinical significance. Frontiers in Oncology, 0, 12 , .	1.3	8
553	Upregulation of PD-L1 in Senescence and Aging. Molecular and Cellular Biology, 2022, 42, .	1.1	24
554	Exosomes carrying immune checkpoints, a promising therapeutic approach in cancer treatment. , 2022, 39, .		6
555	A humanized 4-1BB-targeting agonistic antibody exerts potent antitumor activity in colorectal cancer without systemic toxicity. Journal of Translational Medicine, 2022, 20, .	1.8	4
556	Cancer as an infective disease: the role of <scp>EVs</scp> in tumorigenesis. Molecular Oncology, 2023, 17, 390-406.	2.1	4
557	Extracellular vesicles and particles impact the systemic landscape of cancer. EMBO Journal, 2022, 41, .	3.5	32
558	An immunogold single extracellular vesicular RNA and protein (^{Au} SERP) biochip to predict responses to immunotherapy in nonâ€small cell lung cancer patients. Journal of Extracellular Vesicles, 2022, 11, .	5.5	16
559	High Blood Concentration of Leukocyte-Derived Extracellular Vesicles Is Predictive of Favorable Clinical Outcomes in Patients with Pancreatic Cancer: Results from a Multicenter Prospective Study. Cancers, 2022, 14, 4748.	1.7	3
560	Circulating CD81-expressing extracellular vesicles as biomarkers of response for immune-checkpoint inhibitors in advanced NSCLC. Frontiers in Immunology, 0, 13 , .	2.2	4
561	Identification of Diagnostic Exosomal LncRNA-miRNA-mRNA Biomarkers in Colorectal Cancer Based on the ceRNA Network. Pathology and Oncology Research, 0, 28, .	0.9	5
562	Exploiting the Innate Plasticity of the Programmed Cell Death†(PD1) Receptor to Design Pembrolizumab H3 Loop Mimics**. ChemBioChem, 2022, 23, .	1.3	4
563	Blood exosome PD-L1 is associated with PD-L1 expression measured by immunohistochemistry, and lymph node metastasis in lung cancer. Tissue and Cell, 2022, 79, 101941.	1.0	5
564	Extracellular vesicle-based checkpoint regulation and immune state in cancer. , 2022, 39, .		10
566	Lipid-mediated delivery of CD47 siRNA aids JQ1 in ensuring simultaneous downregulation of PD-L1 and CD47 and improves antitumor immunotherapy efficacy. Biomaterials Science, 2022, 10 , $6755-6767$.	2.6	3
567	Platelet-derived TLT-1 promotes tumor progression by suppressing CD8+ T cells. Journal of Experimental Medicine, 2023, 220, .	4.2	14
569	Hypoxia-Regulated Tumor-Derived Exosomes and Tumor Progression: A Focus on Immune Evasion. International Journal of Molecular Sciences, 2022, 23, 11789.	1.8	11

#	Article	IF	CITATIONS
570	Shedding of ciliary vesicles at a glance. Journal of Cell Science, 2022, 135, .	1.2	14
571	CD11c+ myeloid cell exosomes reduce intestinal inflammation during colitis. JCI Insight, 2022, 7, .	2.3	4
572	Fluid nanoporous microinterface enables multiscale-enhanced affinity interaction for tumor-derived extracellular vesicle detection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119 , .	3.3	18
573	miRNAs in anti-cancer drug resistance of non-small cell lung cancer: Recent advances and future potential. Frontiers in Pharmacology, $0,13,.$	1.6	7
574	TRAIL in the Treatment of Cancer: From Soluble Cytokine to Nanosystems. Cancers, 2022, 14, 5125.	1.7	13
575	Systematic analysis of circRNA biomarkers for diagnosis, prognosis and therapy in colorectal cancer. Frontiers in Genetics, 0, 13, .	1.1	6
576	Effects of exosomes on tumor immunomodulation and their potential clinical applications (Review). International Journal of Oncology, 2022, 61, .	1.4	6
577	Extracellular Vesicles in Cancer Drug Resistance: Roles, Mechanisms, and Implications. Advanced Science, 2022, 9, .	5.6	28
578	Tumor extracellular vesicles mediate anti-PD-L1 therapy resistance by decoying anti-PD-L1., 2022, 19, 1290-1301.		13
579	T lymphocyte subsets and PD-1 expression on lymphocytes in peripheral blood of patients with non-small cell lung cancer. Medicine (United States), 2022, 101, e31307.	0.4	3
580	Extracellular Vesicles Isolated from Plasma of Multiple Myeloma Patients Treated with Daratumumab Express CD38, PD-L1, and the Complement Inhibitory Proteins CD55 and CD59. Cells, 2022, 11, 3365.	1.8	4
581	Tumor-derived extracellular vesicles modulate innate immune responses to affect tumor progression. Frontiers in Immunology, 0, 13 , .	2.2	8
582	Single-Step and Highly Sensitive Imaging of Exosomal PD-L1 through Aptamer-Activated Cascade Primer Exchange Reaction-Generated Branched DNA Nanostructures. ACS Sensors, 2022, 7, 3571-3579.	4.0	13
583	Exosome biogenesis: machinery, regulation, and therapeutic implications in cancer. Molecular Cancer, 2022, 21, .	7.9	109
584	Complex RNA world in small extracellular vesicles for liquid biopsy in cancer management. , 2022, 1, 100015.		4
585	TP53 mutation-associated immune infiltration and a novel risk score model in HNSCC. Biochemistry and Biophysics Reports, 2022, 32, 101359.	0.7	1
586	The Stem Cell Continuum Model and Implications in Cancer. , 2022, , 1255-1278.		0
587	Circulating Exosomal PD-L1 at Initial Diagnosis Predicts Outcome and Survival of Patients with Osteosarcoma. Clinical Cancer Research, 2023, 29, 659-666.	3.2	6

#	Article	IF	CITATIONS
588	Mechanism of exosomes in the tumor microenvironment in the abscopal effect (Review). International Journal of Oncology, 2022, 62, .	1.4	1
590	Large tumour-derived extracellular vesicles as prognostic indicators of metastatic cancer patient survival. British Journal of Cancer, 2023, 128, 471-473.	2.9	1
591	The application of exosomes in the treatment of triple-negative breast cancer. Frontiers in Molecular Biosciences, 0, 9, .	1.6	8
592	Reprogramming of T cellâ€derived small extracellular vesicles using IL2 surface engineering induces potent antiâ€cancer effects through miRNA delivery. Journal of Extracellular Vesicles, 2022, 11, .	5.5	17
593	LATPS, a novel prognostic signature based on tumor microenvironment of lung adenocarcinoma to better predict survival and immunotherapy response. Frontiers in Immunology, 0, 13, .	2.2	2
595	Organismâ€Generated Biological Vesicles In Situ: An Emerging Drug Delivery Strategy. Advanced Science, 2023, 10, .	5.6	5
596	Extracellular Vesicles and Their Roles in the Tumor Immune Microenvironment. Journal of Clinical Medicine, 2022, 11, 6892.	1.0	8
597	Modern aspects of immunotherapy with checkpoint inhibitors in melanoma. Medical Alphabet, 2022, , 35-40.	0.0	2
598	Dissecting exosome inhibitors: therapeutic insights into small-molecule chemicals against cancer. Experimental and Molecular Medicine, 2022, 54, 1833-1843.	3.2	17
599	Discovery of pyrazoleâ€carbohydrazide with indole moiety as tubulin polymerization inhibitors and antiâ€tumor candidates. Drug Development Research, 2023, 84, 110-120.	1.4	1
601	Aptamer-Assisted Traceless Isolation of PD-L1-Positive Small Extracellular Vesicles for Dissecting Their Subpopulation Signature and Function. Analytical Chemistry, 0, , .	3.2	3
602	Novel insight into miRNA biology and its role in the pathogenesis of systemic lupus erythematosus. Frontiers in Immunology, $0,13,.$	2.2	8
603	Manipulation of PD‣1 Endosomal Trafficking Promotes Anticancer Immunity. Advanced Science, 2023, 10, .	5.6	6
604	Potential Role of Tumor-Derived Exosomes in Non-Small-Cell Lung Cancer in the Era of Immunotherapy. Life, 2022, 12, 2104.	1.1	5
605	Tumor-derived extracellular vesicles in the colorectal cancer immune environment and immunotherapy., 2023, 241, 108332.		4
606	Antigen-Loaded Extracellular Vesicles Induce Responsiveness to Anti–PD-1 and Anti–PD-L1 Treatment in a Checkpoint Refractory Melanoma Model. Cancer Immunology Research, 2023, 11, 217-227.	1.6	4
607	Tumor-Derived Extracellular Vesicles in Cancer Immunoediting and Their Potential as Oncoimmunotherapeutics. Cancers, 2023, 15, 82.	1.7	5
608	Targeting inorganic nanoparticles to tumors using biological membraneâ€coated technology. MedComm, 2022, 3, .	3.1	5

#	Article	IF	CITATIONS
609	Suppression of PD‣1 release from small extracellular vesicles promotes systemic antiâ€tumor immunity by targeting ORAI1 calcium channels. Journal of Extracellular Vesicles, 2022, 11, .	5.5	7
610	HRS Regulates Small Extracellular Vesicle PD-L1 Secretion and Is Associated with Anti–PD-1 Treatment Efficacy. Cancer Immunology Research, 2023, 11, 228-240.	1.6	5
611	Immunogenic Nanovesicleâ€Tandemâ€Augmented Chemoimmunotherapy via Efficient Cancerâ€Homing Delivery and Optimized Ordinalâ€Interval Regime. Advanced Science, 2023, 10, .	5.6	10
612	Identifying the Phenotypes of Tumor-Derived Extracellular Vesicles Using Size-Coded Affinity Microbeads. Journal of the American Chemical Society, 2022, 144, 23483-23491.	6.6	18
613	Immunosuppressive Extracellular Vesicles in CLL. Blood Cancer Discovery, 2023, 4, 5-7.	2.6	1
614	Extracellular vesicles and melanoma: New perspectives on tumor microenvironment and metastasis. Frontiers in Cell and Developmental Biology, 0, 10 , .	1.8	3
615	Thiolate DNAzymes on Gold Nanoparticles for Isothermal Amplification and Detection of Mesothelioma-derived Exosomal PD-L1 mRNA. Analytical Chemistry, 2023, 95, 3228-3237.	3.2	2
616	Immune evasion in esophageal squamous cell cancer: From the perspective of tumor microenvironment. Frontiers in Oncology, 0, 12, .	1.3	6
617	A soluble pH-responsive host-guest-based nanosystem for homogeneous exosomes capture with high-efficiency. Chinese Chemical Letters, 2023, 34, 108129.	4.8	1
618	Extracellular Vesicles Are Important Mediators That Regulate Tumor Lymph Node Metastasis via the Immune System. International Journal of Molecular Sciences, 2023, 24, 1362.	1.8	3
619	Circulating exosomal immuno-oncological checkpoints and cytokines are potential biomarkers to monitor tumor response to anti-PD-1/PD-L1 therapy in non-small cell lung cancer patients. Frontiers in Immunology, 0, 13 , .	2.2	7
620	Anti-angiogenic effect of exo-LncRNA TUG1 in myocardial infarction and modulation by remote ischemic conditioning. Basic Research in Cardiology, 2023, 118 , .	2.5	7
621	Exosomes and cancer immunotherapy: A review of recent cancer research. Frontiers in Oncology, 0, 12, .	1.3	4
622	Pan-Cancer Analysis of the Roles and Driving Forces of RAB42. Biomolecules, 2023, 13, 43.	1.8	0
623	Role of Extracellular Vesicles in Cancer Pathogenesis. , 2023, , 1-29.		0
624	Radiation-induced PD-L1 expression in tumor and its microenvironment facilitates cancer-immune escape: a narrative review. Annals of Translational Medicine, 2022, 10, 1406-1406.	0.7	13
625	Cancer Exosomes: An Overview and the Applications of Flow. Fluids, 2023, 8, 7.	0.8	0
626	Passive Membrane Permeability of Sizable Acyclic \hat{l}^2 -Hairpin Peptides. ACS Medicinal Chemistry Letters, 2023, 14, 278-284.	1.3	1

#	ARTICLE	IF	CITATIONS
627	Yin and yang roles of B lymphocytes in solid tumors: Balance between antitumor immunity and immune tolerance/immunosuppression in tumor-draining lymph nodes. Frontiers in Oncology, $0,13,13$	1.3	2
628	Mechanisms driving the immunoregulatory function of cancer cells. Nature Reviews Cancer, 2023, 23, 193-215.	12.8	40
629	Exosome Release Delays Senescence by Disposing of Obsolete Biomolecules. Advanced Science, 2023, 10,	5.6	8
630	Cancer stem cell-derived extracellular vesicles preferentially target MHC-ll–macrophages and PD1+ T cells in the tumor microenvironment. PLoS ONE, 2023, 18, e0279400.	1.1	6
631	The combination of eddy thermal effect of biodegradable magnesium with immune checkpoint blockade shows enhanced efficacy against osteosarcoma. Bioactive Materials, 2023, 25, 73-85.	8.6	5
632	Optimization of cancer immunotherapy on the basis of programmed death ligandâ€1 distribution and function. British Journal of Pharmacology, 2024, 181, 257-272.	2.7	4
633	A glycosylation signature for predicting the progression and immunotherapeutic response of prostate cancer. Journal of Gene Medicine, 2023, 25, .	1.4	2
634	Extracellular vesicles: A dive into their role in the tumor microenvironment and cancer progression. Frontiers in Cell and Developmental Biology, 0, 11 , .	1.8	5
635	Tumor-Derived PD-L1 ⁺ Exosomes with Natural Inflammation Tropism for Psoriasis-Targeted Treatment. Bioconjugate Chemistry, 0, , .	1.8	2
636	Colorectal cancer-derived extracellular vesicles containing HSP70 enhance macrophage phagocytosis by up-regulating MARCO expression. Experimental Cell Research, 2023, 426, 113565.	1.2	3
637	Extracellular vesicles as next generation immunotherapeutics. Seminars in Cancer Biology, 2023, 90, 73-100.	4.3	16
638	Melatonin enhances anti-tumor immunity by targeting macrophages PD-L1 via exosomes derived from gastric cancer cells. Molecular and Cellular Endocrinology, 2023, 568-569, 111917.	1.6	4
639	The role of exosomes in the stemness maintenance and progression of acute myeloid leukemia. Biochemical Pharmacology, 2023, 212, 115539.	2.0	5
640	A Fluid Multivalent Magnetic Interface for Highâ€Performance Isolation and Proteomic Profiling of Tumorâ€Derived Extracellular Vesicles. Angewandte Chemie, 2023, 135, .	1.6	0
641	The Roles of Exosomal Proteins: Classification, Function, and Applications. International Journal of Molecular Sciences, 2023, 24, 3061.	1.8	7
642	Hypoxia promotes EV secretion by impairing lysosomal homeostasis in HNSCC through negative regulation of ATP6V1A by HIFâ \in 11±. Journal of Extracellular Vesicles, 2023, 12, .	5.5	7
643	Extracellular Vesicles in Cancer Drug Resistance: Implications on Melanoma Therapy. Cancers, 2023, 15, 1074.	1.7	2
644	Self-calibrated magnetic aptamer sensor with dual Lanthanide-assisted Time-resolved luminescence for high-sensitive detection of melanoma exosomal PD-L1. Materials and Design, 2023, 227, 111714.	3.3	3

#	Article	IF	CITATIONS
645	Review of biomarkers for response to immunotherapy in HNSCC microenvironment. Frontiers in Oncology, $0,13,\ldots$	1.3	2
646	Targeting RNA N6-methyladenosine to synergize with immune checkpoint therapy. Molecular Cancer, 2023, 22, .	7.9	9
647	Role of tumor microenvironment in cancer progression and therapeutic strategy. Cancer Medicine, 2023, 12, 11149-11165.	1.3	27
649	Bottom-Up Signal Boosting with Fractal Nanostructuring and Primer Exchange Reaction for Ultrasensitive Detection of Cancerous Exosomes. ACS Sensors, 2023, 8, 1308-1317.	4.0	12
650	Simultaneous Knockdown of Immune Suppressive Markers by Tumor Microenvironment-Responsive Multifaceted Prodrug Nanomedicine. ACS Applied Materials & Samp; Interfaces, 2023, 15, 12864-12881.	4.0	2
651	LILRB2-containing small extracellular vesicles from glioblastoma promote tumor progression by promoting the formation and expansion of myeloid-derived suppressor cells. Cancer Immunology, Immunotherapy, 2023, 72, 2179-2193.	2.0	4
652	Recent advances in extracellular vesicles in gastrointestinal cancer and lymphoma. Cancer Science, 2023, 114, 2230-2237.	1.7	2
653	Immune Checkpoint and Tumor Therapy. , 0, , .		0
654	Exosomal PDâ€'L1 promotes the formation of an immunosuppressive microenvironment in gastric diffuse large Bâ€'cell lymphoma. Oncology Reports, 2023, 49, .	1.2	1
655	The evolving tumor microenvironment: From cancer initiation to metastatic outgrowth. Cancer Cell, 2023, 41, 374-403.	7.7	298
656	Neutrophil extracellular traps in tumor progression and immunotherapy. Frontiers in Immunology, 0, 14, .	2.2	4
657	Strategies targeting PD-L1 expression and associated opportunities for cancer combination therapy. Theranostics, 2023, 13, 1520-1544.	4. 6	19
658	Advances of multi-omics applications in hepatic precancerous lesions and hepatocellular carcinoma: The role of extracellular vesicles. Frontiers in Molecular Biosciences, 0, 10, .	1.6	3
660	Curvature-sensing peptide inhibits tumour-derived exosomes for enhanced cancer immunotherapy. Nature Materials, 2023, 22, 656-665.	13.3	12
661	A Fluid Multivalent Magnetic Interface for Highâ€Performance Isolation and Proteomic Profiling of Tumorâ€Derived Extracellular Vesicles. Angewandte Chemie - International Edition, 2023, 62, .	7.2	10
662	The link between intracellular calcium signaling and exosomal PD-L1 in cancer progression and immunotherapy. Genes and Diseases, 2024, 11, 321-334.	1.5	5
663	The impact of hypoxia on extracellular vesicle secretome profile of cancer., 2023, 40,.		4
664	Evidence for RNA or protein transport from somatic tissues to the male reproductive tract in mouse. ELife, $0,12,1$	2.8	3

#	Article	IF	CITATIONS
665	Exosome-disrupting peptides for cancer immunotherapy. Nature Materials, 2023, 22, 530-531.	13.3	1
666	Tumour-derived extracellular vesicle based vaccines for melanoma treatment. Drug Delivery and Translational Research, 2023, 13, 1520-1542.	3.0	3
667	Homogeneous, Simple, and Direct Analysis of Exosomal PD-L1 via Aptamer-Bivalent-Cholesterol-Anchor Assembly of DNAzyme (ABCzyme) for Tumor Immunotherapy. Analytical Chemistry, 2023, 95, 6854-6862.	3.2	8
668	Phosphatidylserine-positive extracellular vesicles boost effector CD8 ⁺ T cell responses during viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	2
669	Tumor immunosuppression relief via acidity modulation combined PD-L1 siRNA for enhanced immunotherapy. , 2023, 150, 213425.		2
670	The role of extracellular vesicles in cancer. Cell, 2023, 186, 1610-1626.	13.5	76
673	N6-methyladenosine (m6A)-connected lncRNAs is linked to survival and immune infiltration in glioma patients. Bioscience Reports, 0 , , .	1.1	1
674	Leveraging Exosomes as the Next-Generation Bio-Shuttles: The Next Biggest Approach against Th17 Cell Catastrophe. International Journal of Molecular Sciences, 2023, 24, 7647.	1.8	2
675	Research progress of extracellular vesicles as biomarkers in immunotherapy for non-small cell lung cancer. Frontiers in Immunology, 0, 14 , .	2.2	0
676	Dose-Dependent Effects in Plasma Oncotherapy: Critical In Vivo Immune Responses Missed by In Vitro Studies. Biomolecules, 2023, 13, 707.	1.8	4
701	Recent progress in exosome research: isolation, characterization and clinical applications. Cancer Gene Therapy, 2023, 30, 1051-1065.	2.2	11
722	The Detection of Exosomal PD-L1 in Peripheral Blood. Methods in Molecular Biology, 2023, , 195-212.	0.4	1
740	Accurate and Convenient Lung Cancer Diagnosis through Detection of Extracellular Vesicle Membrane Proteins via Förster Resonance Energy Transfer. Nano Letters, 2023, 23, 8115-8125.	4.5	4
743	Recent progress in quantitative technologies for the analysis of cancer-related exosome proteins. Analyst, The, 2023, 148, 4954-4966.	1.7	0
775	Bromodomain and extraterminal (BET) proteins: biological functions, diseases, and targeted therapy. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	7
813	Extracellular vesicle-mediated ferroptosis, pyroptosis, and necroptosis: potential clinical applications in cancer therapy. Cell Death Discovery, 2024, 10, .	2.0	2
827	Roles of exosomes in immunotherapy for solid cancers. Cell Death and Disease, 2024, 15, .	2.7	0