

Yong Song Gho

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

24,937
citations

15504

65
h-index

18130

120
g-index

121
all docs

121
docs citations

121
times ranked

28148
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	12.2	6,961
2	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2014, 3, 26913.	12.2	2,110
3	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. <i>PLoS Biology</i> , 2012, 10, e1001450.	5.6	1,064
4	Applying extracellular vesicles based therapeutics in clinical trials – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 30087.	12.2	1,020
5	Bioinspired Exosome-Mimetic Nanovesicles for Targeted Delivery of Chemotherapeutics to Malignant Tumors. <i>ACS Nano</i> , 2013, 7, 7698-7710.	14.6	768
6	Gram-positive bacteria produce membrane vesicles: Proteomics-based characterization of <i>Staphylococcus aureus</i> -derived membrane vesicles. <i>Proteomics</i> , 2009, 9, 5425-5436.	2.2	532
7	Proteomics, transcriptomics and lipidomics of exosomes and ectosomes. <i>Proteomics</i> , 2013, 13, 1554-1571.	2.2	416
8	Extracellular Vesicles Derived from Gut Microbiota, Especially <i>Akkermansia muciniphila</i> , Protect the Progression of Dextran Sulfate Sodium-Induced Colitis. <i>PLoS ONE</i> , 2013, 8, e76520.	2.5	407
9	EVpedia: an integrated database of high-throughput data for systemic analyses of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2013, 2, .	12.2	401
10	Endostatin Blocks Vascular Endothelial Growth Factor-mediated Signaling via Direct Interaction with KDR/Flk-1. <i>Journal of Biological Chemistry</i> , 2002, 277, 27872-27879.	3.4	367
11	Colorectal cancer cell-derived microvesicles are enriched in cell cycle-related mRNAs that promote proliferation of endothelial cells. <i>BMC Genomics</i> , 2009, 10, 556.	2.8	361
12	Importance of exosome depletion protocols to eliminate functional and RNA-containing extracellular vesicles from fetal bovine serum. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	12.2	353
13	Global proteomic profiling of native outer membrane vesicles derived from <i>Escherichia coli</i> . <i>Proteomics</i> , 2007, 7, 3143-3153.	2.2	352
14	Proteomics of extracellular vesicles: Exosomes and ectosomes. <i>Mass Spectrometry Reviews</i> , 2015, 34, 474-490.	5.4	336
15	Bacterial outer membrane vesicles suppress tumor by interferon- β -mediated antitumor response. <i>Nature Communications</i> , 2017, 8, 626.	12.8	329
16	Microfluidic filtration system to isolate extracellular vesicles from blood. <i>Lab on A Chip</i> , 2012, 12, 5202.	6.0	325
17	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015, 31, 933-939.	4.1	317
18	A novel community driven software for functional enrichment analysis of extracellular vesicles data. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1321455.	12.2	314

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19	Gram-negative and Gram-positive bacterial extracellular vesicles. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 97-104.	5.0	307
20	Large oncosomes contain distinct protein cargo and represent a separate functional class of tumor-derived extracellular vesicles. <i>Oncotarget</i> , 2015, 6, 11327-11341.	1.8	289
21	Proteomics in gram-negative bacterial outer membrane vesicles. <i>Mass Spectrometry Reviews</i> , 2008, 27, 535-555.	5.4	288
22	Proteomic analysis of outer membrane vesicles derived from <i>Pseudomonas aeruginosa</i> . <i>Proteomics</i> , 2011, 11, 3424-3429.	2.2	209
23	Extracellular membrane vesicles from tumor cells promote angiogenesis via sphingomyelin. <i>Cancer Research</i> , 2002, 62, 6312-7.	0.9	206
24	Extracellular vesicles as emerging intercellular comunicasomes. <i>BMB Reports</i> , 2014, 47, 531-539.	2.4	199
25	Airway Exposure Levels of Lipopolysaccharide Determine Type 1 versus Type 2 Experimental Asthma. <i>Journal of Immunology</i> , 2007, 178, 5375-5382.	0.8	190
26	RNAi delivery by exosome-mimetic nanovesicles – Implications for targeting c-Myc in cancer. <i>Biomaterials</i> , 2016, 102, 231-238.	11.4	188
27	Noninvasive imaging of radiolabeled exosome-mimetic nanovesicle using ^{99m} Tc-HMPAO. <i>Scientific Reports</i> , 2015, 5, 15636.	3.3	186
28	Updating the MISEV minimal requirements for extracellular vesicle studies: building bridges to reproducibility. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1396823.	12.2	185
29	Proteomic Analysis of Microvesicles Derived from Human Colorectal Cancer Cells. <i>Journal of Proteome Research</i> , 2007, 6, 4646-4655.	3.7	176
30	<i>Staphylococcus aureus</i> Extracellular Vesicles Carry Biologically Active β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2589-2595.	3.2	172
31	Small RNA deep sequencing discriminates subsets of extracellular vesicles released by melanoma cells – Evidence of unique microRNA cargos. <i>RNA Biology</i> , 2015, 12, 810-823.	3.1	164
32	Formation of a protein corona on the surface of extracellular vesicles in blood plasma. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12140.	12.2	150
33	Outer Membrane Vesicles Derived from <i>Escherichia coli</i> Induce Systemic Inflammatory Response Syndrome. <i>PLoS ONE</i> , 2010, 5, e11334.	2.5	150
34	A brief history of nearly EV – everything – The rise and rise of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12144.	12.2	150
35	Proteome analysis of outer membrane vesicles from a clinical <i>Acinetobacter baumannii</i> isolate. <i>FEMS Microbiology Letters</i> , 2009, 297, 150-156.	1.8	149
36	Co-accumulation of vascular endothelial growth factor with β -amyloid in the brain of patients with Alzheimer's disease. <i>Neurobiology of Aging</i> , 2004, 25, 283-290.	3.1	148

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37	Proteomic analysis of microvesicles derived from human colorectal cancer ascites. <i>Proteomics</i> , 2011, 11, 2745-2751.	2.2	147
38	Gut microbe-derived extracellular vesicles induce insulin resistance, thereby impairing glucose metabolism in skeletal muscle. <i>Scientific Reports</i> , 2015, 5, 15878.	3.3	140
39	Immunization with <i>Escherichia coli</i> Outer Membrane Vesicles Protects Bacteria-Induced Lethality via Th1 and Th17 Cell Responses. <i>Journal of Immunology</i> , 2013, 190, 4092-4102.	0.8	134
40	Subpopulations of extracellular vesicles from human metastatic melanoma tissue identified by quantitative proteomics after optimized isolation. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1722433.	12.2	130
41	In vivo Kinetic Biodistribution of Nano-Sized Outer Membrane Vesicles Derived from Bacteria. <i>Small</i> , 2015, 11, 456-461.	10.0	118
42	Microfluidic fabrication of cell-derived nanovesicles as endogenous RNA carriers. <i>Lab on A Chip</i> , 2014, 14, 1261-1269.	6.0	116
43	The actin binding site on thymosin β 4 promotes angiogenesis. <i>FASEB Journal</i> , 2003, 17, 1-13.	0.5	115
44	Endosomal signalling via exosome surface TGF β 1. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1650458.	12.2	112
45	High-yield isolation of extracellular vesicles using aqueous two-phase system. <i>Scientific Reports</i> , 2015, 5, 13103.	3.3	111
46	Two distinct extracellular RNA signatures released by a single cell type identified by microarray and next-generation sequencing. <i>RNA Biology</i> , 2017, 14, 58-72.	3.1	111
47	Sphingosine-1-phosphate promotes lymphangiogenesis by stimulating S1P1/Gi/PLC/Ca ²⁺ signaling pathways. <i>Blood</i> , 2008, 112, 1129-1138.	1.4	110
48	Quantitative proteomics of extracellular vesicles derived from human primary and metastatic colorectal cancer cells. <i>Journal of Extracellular Vesicles</i> , 2012, 1, .	12.2	108
49	Active Immunization with Extracellular Vesicles Derived from <i>Staphylococcus aureus</i> Effectively Protects against Staphylococcal Lung Infections, Mainly via Th1 Cell-Mediated Immunity. <i>PLoS ONE</i> , 2015, 10, e0136021.	2.5	108
50	Vaccination with <i>Klebsiella pneumoniae</i> -derived extracellular vesicles protects against bacteria-induced lethality via both humoral and cellular immunity. <i>Experimental and Molecular Medicine</i> , 2015, 47, e183-e183.	7.7	101
51	Proteomic profiling of Gram-negative bacterial outer membrane vesicles: Current perspectives. <i>Proteomics - Clinical Applications</i> , 2016, 10, 897-909.	1.6	101
52	BRAF ^{V600} inhibition alters the microRNA cargo in the vesicular secretome of malignant melanoma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5930-E5939.	7.1	101
53	EVpedia: A community web resource for prokaryotic and eukaryotic extracellular vesicles research. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 4-7.	5.0	99
54	Epstein-Barr Virus-Encoded MicroRNA BART15-3p Promotes Cell Apoptosis Partially by Targeting BRUCE. <i>Journal of Virology</i> , 2013, 87, 8135-8144.	3.4	94

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55	An Important Role of $\hat{\pm}$ -Hemolysin in Extracellular Vesicles on the Development of Atopic Dermatitis Induced by <i>Staphylococcus aureus</i> . PLoS ONE, 2014, 9, e100499.	2.5	91
56	Structural modifications of outer membrane vesicles to refine them as vaccine delivery vehicles. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2150-2159.	2.6	90
57	Proteomic analysis of extracellular vesicles derived from <i>Mycobacterium tuberculosis</i> . Proteomics, 2015, 15, 3331-3337.	2.2	90
58	Human CC chemokine CCL23, a ligand for CCR1, induces endothelial cell migration and promotes angiogenesis. Cytokine, 2005, 30, 254-263.	3.2	84
59	Identification and characterization of proteins isolated from microvesicles derived from human lung cancer pleural effusions. Proteomics, 2013, 13, 2125-2134.	2.2	84
60	MicroRNA in exosomes isolated directly from the liver circulation in patients with metastatic uveal melanoma. BMC Cancer, 2014, 14, 962.	2.6	83
61	Bacterial Protoplast-Derived Nanovesicles as Vaccine Delivery System against Bacterial Infection. Nano Letters, 2015, 15, 266-274.	9.1	80
62	<i>In Vivo</i> Differentiation of Therapeutic Insulin-Producing Cells from Bone Marrow Cells <i>via</i> Extracellular Vesicle-Mimetic Nanovesicles. ACS Nano, 2015, 9, 11718-11727.	14.6	78
63	The future of Extracellular Vesicles as Theranostics – an ISEV meeting report. Journal of Extracellular Vesicles, 2020, 9, 1809766.	12.2	77
64	Pulmonary Inflammation Induced by Bacteria-Free Outer Membrane Vesicles from <i>Pseudomonas aeruginosa</i> . American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 637-645.	2.9	75
65	A membranous form of ICAM-1 on exosomes efficiently blocks leukocyte adhesion to activated endothelial cells. Biochemical and Biophysical Research Communications, 2010, 397, 251-256.	2.1	71
66	Angiogenic activity of human CC chemokine CCL15 in vitro and in vivo. FEBS Letters, 2004, 570, 47-51.	2.8	69
67	Comparative interactomes of SIRT6 and SIRT7: Implication of functional links to aging. Proteomics, 2014, 14, 1610-1622.	2.2	69
68	Nanovesicles engineered from ES cells for enhanced cell proliferation. Biomaterials, 2014, 35, 9302-9310.	11.4	68
69	Vascular Endothelial Growth Factor Is a Key Mediator in the Development of T Cell Priming and Its Polarization to Type 1 and Type 17 T Helper Cells in the Airways. Journal of Immunology, 2009, 183, 5113-5120.	0.8	66
70	The Protein Interaction Network of Extracellular Vesicles Derived from Human Colorectal Cancer Cells. Journal of Proteome Research, 2012, 11, 1144-1151.	3.7	66
71	Bacterial protoplast-derived nanovesicles for tumor targeted delivery of chemotherapeutics. Biomaterials, 2017, 113, 68-79.	11.4	66
72	TH2 and TH1 lung inflammation induced by airway allergen sensitization with low and high doses of double-stranded RNA. Journal of Allergy and Clinical Immunology, 2007, 120, 803-812.	2.9	65

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73	Emergent properties of extracellular vesicles: a holistic approach to decode the complexity of intercellular communication networks. <i>Molecular BioSystems</i> , 2017, 13, 1291-1296.	2.9	64
74	Recombinant basic fibroblast growth factor inhibits the airway hyperresponsiveness, mucus production, and lung inflammation induced by an allergen challenge. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 831-837.	2.9	63
75	Extracellular vesicle mimetics: Novel alternatives to extracellular vesicle-based therapeutics, drug delivery, and vaccines. <i>Seminars in Cell and Developmental Biology</i> , 2017, 67, 74-82.	5.0	63
76	Therapeutic Effects of Autologous Tumor-Derived Nanovesicles on Melanoma Growth and Metastasis. <i>PLoS ONE</i> , 2012, 7, e33330.	2.5	58
77	Outer Membrane Vesicles Derived from <i>Escherichia coli</i> Up-Regulate Expression of Endothelial Cell Adhesion Molecules In Vitro and In Vivo. <i>PLoS ONE</i> , 2013, 8, e59276.	2.5	52
78	Circulating Extracellular Vesicles in Cancer Diagnosis and Monitoring. <i>Molecular Diagnosis and Therapy</i> , 2013, 17, 265-271.	3.8	51
79	Polyphosphate blocks tumour metastasis via anti-angiogenic activity. <i>Biochemical Journal</i> , 2007, 406, 49-55.	3.7	50
80	Outer Membrane Vesicles Derived From <i>Escherichia coli</i> Regulate Neutrophil Migration by Induction of Endothelial IL-8. <i>Frontiers in Microbiology</i> , 2018, 9, 2268.	3.5	48
81	Extracellular Vesicles Derived from Gram-Negative Bacteria, such as <i>Escherichia coli</i> , Induce Emphysema Mainly via IL-17A-Mediated Neutrophilic Inflammation. <i>Journal of Immunology</i> , 2015, 194, 3361-3368.	0.8	45
82	Extracellular Vesicle-Mimetic Ghost Nanovesicles for Delivering Anti-Inflammatory Drugs to Mitigate Gram-Negative Bacterial Outer Membrane Vesicle-Induced Systemic Inflammatory Response Syndrome. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801082.	7.6	45
83	Sepsis-Like Systemic Inflammation Induced by Nano-Sized Extracellular Vesicles From Feces. <i>Frontiers in Microbiology</i> , 2018, 9, 1735.	3.5	45
84	Could bioengineered exosome-mimetic nanovesicles be an efficient strategy for the delivery of chemotherapeutics?. <i>Nanomedicine</i> , 2014, 9, 177-180.	3.3	39
85	Regulation of Th1/Th2 cells in asthma development: A mathematical model. <i>Mathematical Biosciences and Engineering</i> , 2013, 10, 1095-1133.	1.9	36
86	Egr-1 Activation by Cancer-Derived Extracellular Vesicles Promotes Endothelial Cell Migration via ERK1/2 and JNK Signaling Pathways. <i>PLoS ONE</i> , 2014, 9, e115170.	2.5	36
87	Specific interaction of VEGF165 with beta-amyloid, and its protective effect on beta-amyloid-induced neurotoxicity. <i>Journal of Neurochemistry</i> , 2005, 93, 118-127.	3.9	35
88	Toll-Like Receptors 2 and 4 Modulate Pulmonary Inflammation and Host Factors Mediated by Outer Membrane Vesicles Derived from <i>Acinetobacter baumannii</i> . <i>Infection and Immunity</i> , 2019, 87, .	2.2	34
89	Distinct Roles of Vascular Endothelial Growth Factor Receptor-1 and Receptor-2-Mediated Signaling in T Cell Priming and Th17 Polarization to Lipopolysaccharide-Containing Allergens in the Lung. <i>Journal of Immunology</i> , 2010, 185, 5648-5655.	0.8	31
90	Protective effects of basic fibroblast growth factor in the development of emphysema induced by interferon- β . <i>Experimental and Molecular Medicine</i> , 2011, 43, 169.	7.7	28

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91	Anti-angiogenin Activity of the Peptides Complementary to the Receptor-binding Site of Angiogenin. <i>Journal of Biological Chemistry</i> , 1997, 272, 24294-24299.	3.4	27
92	Quantitative proteomic analysis of trypsin-treated extracellular vesicles to identify the real vesicular proteins. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1757209.	12.2	27
93	Extracellular vesicles derived from the periodontal pathogen <i>Filifactor alocis</i> induce systemic bone loss through Toll-like receptor 2. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12157.	12.2	26
94	Three-Dimensional Imaging of Hepatic Sinusoids in Mice Using Synchrotron Radiation Micro-Computed Tomography. <i>PLoS ONE</i> , 2013, 8, e68600.	2.5	25
95	IL-12-STAT4-IFN- γ axis is a key downstream pathway in the development of IL-13-mediated asthma phenotypes in a Th2 type asthma model. <i>Experimental and Molecular Medicine</i> , 2010, 42, 533.	7.7	23
96	Extracellular vesicles are key intercellular mediators in the development of immune dysfunction to allergens in the airways. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2010, 65, 1256-1265.	5.7	22
97	Airway Activation of Formyl Peptide Receptors Inhibits Th1 and Th17 Cell Responses via Inhibition of Mediator Release from Immune and Inflammatory Cells and Maturation of Dendritic Cells. <i>Journal of Immunology</i> , 2012, 188, 1799-1808.	0.8	22
98	Isolation of Extracellular Vesicles for Proteomic Profiling. <i>Methods in Molecular Biology</i> , 2015, 1295, 167-177.	0.9	21
99	A serum-stable branched dimeric anti-VEGF peptide blocks tumor growth via anti-angiogenic activity. <i>Experimental and Molecular Medicine</i> , 2010, 42, 514.	7.7	20
100	The International Society for Extracellular Vesicles launches the first massive open online course on extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2016, 5, 34299.	12.2	19
101	Embryonic stem cell-derived extracellular vesicle-mimetic nanovesicles rescue erectile function by enhancing penile neurovascular regeneration in the streptozotocin-induced diabetic mouse. <i>Scientific Reports</i> , 2019, 9, 20072.	3.3	17
102	Extracellular vesicles from in vivo liver tissue accelerate recovery of liver necrosis induced by carbon tetrachloride. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12133.	12.2	17
103	Bioinformatics Tools for Extracellular Vesicles Research. <i>Methods in Molecular Biology</i> , 2017, 1545, 189-196.	0.9	16
104	Drug Repositioning to Alleviate Systemic Inflammatory Response Syndrome Caused by Gram-Negative Bacterial Outer Membrane Vesicles. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701476.	7.6	16
105	Antiplasmin Activity of a Peptide That Binds to the Receptor-binding Site of Angiogenin. <i>Journal of Biological Chemistry</i> , 2002, 277, 9690-9694.	3.4	15
106	Dab2 is pivotal for endothelial cell migration by mediating VEGF expression in cancer cells. <i>Experimental Cell Research</i> , 2012, 318, 550-557.	2.6	15
107	Journal of extracellular vesicles: the seven year itch!. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1654729.	12.2	15
108	Role of inducible nitric oxide synthase on the development of virus-associated asthma exacerbation which is dependent on Th1 and Th17 cell responses. <i>Experimental and Molecular Medicine</i> , 2010, 42, 721.	7.7	14

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109	Extracellular vesicles derived from macrophages display glycylation of RNA synthetase 1 and exhibit anti-cancer activity. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12029.	12.2	14
110	Pericyte-Derived Extracellular Vesicle-Mimetic Nanovesicles Restore Erectile Function by Enhancing Neurovascular Regeneration in a Mouse Model of Cavernous Nerve Injury. <i>Journal of Sexual Medicine</i> , 2020, 17, 2118-2128.	0.6	11
111	Isolation of Extracellular Vesicles for Proteomic Profiling. <i>Methods in Molecular Biology</i> , 2021, 2261, 193-206.	0.9	11
112	Aspirin attenuates the anti-inflammatory effects of theophylline via inhibition of cAMP production in mice with non-eosinophilic asthma. <i>Experimental and Molecular Medicine</i> , 2010, 42, 47.	7.7	10
113	Acetyl salicylic acid inhibits Th17 airway inflammation via blockade of IL-6 and IL-17 positive feedback. <i>Experimental and Molecular Medicine</i> , 2013, 45, e5-e5.	7.7	10
114	Cell-Engineered Nanovesicle as a Surrogate Inducer of Contact-Dependent Stimuli. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700381.	7.6	9
115	Indoor dust extracellular vesicles promote cancer lung metastasis by inducing tumour necrosis factor- α . <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1766821.	12.2	9
116	Special issue on the role of extracellular vesicles in human diseases. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-2.	7.7	4
117	Direct differentiation of bone marrow mononucleated cells into insulin producing cells using pancreatic β -cell-derived components. <i>Scientific Reports</i> , 2019, 9, 5343.	3.3	4
118	Pericyte-derived extracellular vesicles-mimetic nanovesicles improves peripheral nerve regeneration in mouse models of sciatic nerve transection. <i>International Journal of Molecular Medicine</i> , 2021, 49, .	4.0	3
119	RNA-sequencing profiling analysis of pericyte-derived extracellular vesicle-mimetic nanovesicles-regulated genes in primary cultured fibroblasts from normal and Peyronie's disease penile tunica albuginea. <i>BMC Urology</i> , 2021, 21, 103.	1.4	2
120	Endogenous Radionanomedicine: Extracellular Vesicles. <i>Biological and Medical Physics Series</i> , 2018, , 127-140.	0.4	1