

# Leonora Balaj

## List of Publications by Citations

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63  
papers

10,861  
citations

38  
h-index

75  
g-index

75  
ext. papers

14,284  
ext. citations

11.5  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
63	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> , <b>2018</b> , 7, 1535750	16.4	3642
62	Tumour microvesicles contain retrotransposon elements and amplified oncogene sequences. <i>Nature Communications</i> , <b>2011</b> , 2, 180	17.4	765
61	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. <i>Nature Medicine</i> , <b>2012</b> , 18, 1835-40	50.5	521
60	Extracellular Vesicles: Composition, Biological Relevance, and Methods of Study. <i>BioScience</i> , <b>2015</b> , 65, 783-797	5.7	459
59	Microfluidic isolation and transcriptome analysis of serum microvesicles. <i>Lab on A Chip</i> , <b>2010</b> , 10, 505-11	7.2	377
58	Current methods for the isolation of extracellular vesicles. <i>Biological Chemistry</i> , <b>2013</b> , 394, 1253-62	4.5	367
57	Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. <i>Nature Communications</i> , <b>2015</b> , 6, 6999	17.4	363
56	miR-200-containing extracellular vesicles promote breast cancer cell metastasis. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 5109-28	15.9	298
55	Coding and noncoding landscape of extracellular RNA released by human glioma stem cells. <i>Nature Communications</i> , <b>2017</b> , 8, 1145	17.4	260
54	Immune evasion mediated by PD-L1 on glioblastoma-derived extracellular vesicles. <i>Science Advances</i> , <b>2018</b> , 4, eaar2766	14.3	254
53	BEAMing and Droplet Digital PCR Analysis of Mutant IDH1 mRNA in Glioma Patient Serum and Cerebrospinal Fluid Extracellular Vesicles. <i>Molecular Therapy - Nucleic Acids</i> , <b>2013</b> , 2, e109	10.7	230
52	Blood platelets contain tumor-derived RNA biomarkers. <i>Blood</i> , <b>2011</b> , 118, 3680-3	2.2	212
51	In silico analysis of kinase expression identifies WEE1 as a gatekeeper against mitotic catastrophe in glioblastoma. <i>Cancer Cell</i> , <b>2010</b> , 18, 244-57	24.3	203
50	Microvesicle-associated AAV vector as a novel gene delivery system. <i>Molecular Therapy</i> , <b>2012</b> , 20, 960-71	11.7	188
49	Extracellular vesicles modulate the glioblastoma microenvironment via a tumor suppression signaling network directed by miR-1. <i>Cancer Research</i> , <b>2014</b> , 74, 738-750	10.1	170
48	Large extracellular vesicles carry most of the tumour DNA circulating in prostate cancer patient plasma. <i>Journal of Extracellular Vesicles</i> , <b>2018</b> , 7, 1505403	16.4	169
47	Multiplexed Profiling of Single Extracellular Vesicles. <i>ACS Nano</i> , <b>2018</b> , 12, 494-503	16.7	167

46	Impact of biofluid viscosity on size and sedimentation efficiency of the isolated microvesicles. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 162	4.6	163
45	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. <i>Nature Communications</i> , <b>2018</b> , 9, 175	17.4	158
44	RNA expression patterns in serum microvesicles from patients with glioblastoma multiforme and controls. <i>BMC Cancer</i> , <b>2012</b> , 12, 22	4.8	149
43	exRNA Atlas Analysis Reveals Distinct Extracellular RNA Cargo Types and Their Carriers Present across Human Biofluids. <i>Cell</i> , <b>2019</b> , 177, 463-477.e15	56.2	144
42	Small RNA Sequencing across Diverse Biofluids Identifies Optimal Methods for exRNA Isolation. <i>Cell</i> , <b>2019</b> , 177, 446-462.e16	56.2	142
41	Heparin blocks transfer of extracellular vesicles between donor and recipient cells. <i>Journal of Neuro-Oncology</i> , <b>2013</b> , 115, 343-51	4.8	122
40	Heparin affinity purification of extracellular vesicles. <i>Scientific Reports</i> , <b>2015</b> , 5, 10266	4.9	113
39	Alternative methods for characterization of extracellular vesicles. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 354	4.6	104
38	Extracellular vesicles and their convergence with viral pathways. <i>Advances in Virology</i> , <b>2012</b> , 2012, 7676949	4.9	92
37	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , <b>2019</b> , 177, 231-242	56.2	91
36	Brain tumor microvesicles: insights into intercellular communication in the nervous system. <i>Cellular and Molecular Neurobiology</i> , <b>2011</b> , 31, 949-59	4.6	86
35	OMRT-2. Liquid biopsy for patient stratification and monitoring of dacomitinib clinical trial in patients with EGFR amplified recurrent glioblastoma. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, ii7-ii7	0.9	78
34	Liquid biopsy for brain tumors. <i>Expert Review of Molecular Diagnostics</i> , <b>2017</b> , 17, 943-947	3.8	70
33	Delivery of Therapeutic Proteins via Extracellular Vesicles: Review and Potential Treatments for Parkinson's Disease, Glioma, and Schwannoma. <i>Cellular and Molecular Neurobiology</i> , <b>2016</b> , 36, 417-27	4.6	64
32	Extracellular Mitochondria in Cerebrospinal Fluid and Neurological Recovery After Subarachnoid Hemorrhage. <i>Stroke</i> , <b>2017</b> , 48, 2231-2237	6.7	63
31	Glioma diagnostics and biomarkers: an ongoing challenge in the field of medicine and science. <i>Expert Review of Molecular Diagnostics</i> , <b>2014</b> , 14, 439-52	3.8	63
30	Extracellular RNA mediates and marks cancer progression. <i>Seminars in Cancer Biology</i> , <b>2014</b> , 28, 14-23	12.7	52
29	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , <b>2015</b> , 4, 26533	16.4	45

28	Secretion and Uptake of $\beta$ Synuclein Via Extracellular Vesicles in Cultured Cells. <i>Cellular and Molecular Neurobiology</i> , <b>2018</b> , 38, 1539-1550	4.6	42
27	Extracellular Vesicles in Glioblastoma Tumor Microenvironment. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 313784	4.4	40
26	The power of imaging to understand extracellular vesicle biology in vivo. <i>Nature Methods</i> , <b>2021</b> , 18, 1013-1026	3.8	38
25	Extracellular RNAs: A New Awareness of Old Perspectives. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1740, 1-15	1.4	36
24	Large and small extracellular vesicles released by glioma cells and. <i>Journal of Extracellular Vesicles</i> , <b>2020</b> , 9, 1689784	16.4	30
23	From laboratory to clinic: Translation of extracellular vesicle based cancer biomarkers. <i>Methods</i> , <b>2020</b> , 177, 58-66	4.6	25
22	Analysis of extracellular mRNA in human urine reveals splice variant biomarkers of muscular dystrophies. <i>Nature Communications</i> , <b>2018</b> , 9, 3906	17.4	25
21	Navigating the Landscape of Tumor Extracellular Vesicle Heterogeneity. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	22
20	Detection of Dual IDH1 and IDH2 Mutations by Targeted Next-Generation Sequencing in Acute Myeloid Leukemia and Myelodysplastic Syndromes. <i>Journal of Molecular Diagnostics</i> , <b>2015</b> , 17, 661-8	5.1	22
19	Potential functional applications of extracellular vesicles: a report by the NIH Common Fund Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , <b>2015</b> , 4, 27575	16.4	22
18	An integrated magneto-electrochemical device for the rapid profiling of tumour extracellular vesicles from blood plasma. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 678-689	19	19
17	Promoter Mutation Analysis for Blood-Based Diagnosis and Monitoring of Gliomas. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 169-178	12.9	19
16	Characterization of plasma-derived protoporphyrin-IX-positive extracellular vesicles following 5-ALA use in patients with malignant glioma. <i>EBioMedicine</i> , <b>2019</b> , 48, 23-35	8.8	16
15	Exploring Predictors of Response to Dacomitinib in -Amplified Recurrent Glioblastoma. <i>JCO Precision Oncology</i> , <b>2020</b> , 4,	3.6	9
14	Overview of Protocols for Studying Extracellular RNA and Extracellular Vesicles. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1740, 17-21	1.4	8
13	Liquid Biopsy Strategies to Distinguish Progression from Pseudoprogression and Radiation Necrosis in Glioblastomas. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000029	3.5	7
12	Isolation of Extracellular RNA from Serum/Plasma. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1740, 43-57	1.4	6
11	Exosome/microvesicle content is altered in leucine-rich repeat kinase 2 mutant induced pluripotent stem cell-derived neural cells. <i>Journal of Comparative Neurology</i> , <b>2020</b> , 528, 1203-1215	3.4	6

10	Orally Administered 5-aminolevulinic Acid for Isolation and Characterization of Circulating Tumor-Derived Extracellular Vesicles in Glioblastoma Patients. <i>Cancers</i> , <b>2020</b> , 12,	6.6	6
9	Blood-Based Detection of BRAF V600E in Gliomas and Brain Tumor Metastasis. <i>Cancers</i> , <b>2021</b> , 13,	6.6	4
8	Novel Gene Fusions in Glioblastoma Tumor Tissue and Matched Patient Plasma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
7	Dopa-responsive dystonia: functional analysis of single nucleotide substitutions within the 5U untranslated GCH1 region. <i>PLoS ONE</i> , <b>2013</b> , 8, e76975	3.7	3
6	The role of extracellular vesicles in acquisition of resistance to therapy in glioblastomas. <b>2021</b> , 4, 1-16		2
5	TERT promoter mutation analysis for blood-based diagnosis and monitoring of gliomas		1
4	Multielectrode Spectroscopy Enables Rapid and Sensitive Molecular Profiling of Extracellular Vesicles.. <i>ACS Central Science</i> , <b>2022</b> , 8, 110-117	16.8	1
3	Detection of Human c-Myc and EGFR Amplifications in Circulating Extracellular Vesicles in Mouse Tumour Models. <i>Journal of Circulating Biomarkers</i> , <b>2014</b> , 3, 6	3.3	1
2	BIOM-12. DEVELOPMENT OF 5-ALA BASED LIQUID BIOPSY FOR THE NON-INVASIVE DIAGNOSIS OF GLIOBLASTOMA. <i>Neuro-Oncology</i> , <b>2021</b> , 23, vi12-vi12		1
1	BIOM-45. CHARACTERIZATION OF EVs RELEASED FROM 5-ALA DOSED GLIAL AND EXTRA-AXIAL TUMORS. <i>Neuro-Oncology</i> , <b>2021</b> , 23, vi21-vi21		1