

# Antonella Bongiovanni

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	4,891 citations	19 h-index	41 g-index
41 ext. papers	6,878 ext. citations	5.5 avg, IF	4.06 L-index

#	Paper	IF	Citations
40	Isolation of Extracellular Vesicles From Microalgae: A Renewable and Scalable Bioprocess.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 836747	5.8	3
39	Extracellular Vesicles From Microalgae: Uptake Studies in Human Cells and .. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 830189	5.8	0
38	The Role of Metaphor in Serious Games Design: the BubbleMumble Case Study. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 198-207	0.9	
37	Nano-structured myelin: new nanovesicles for targeted delivery to white matter and microglia, from brain-to-brain. <i>Materials Today Bio</i> , <b>2021</b> , 12, 100146	9.9	0
36	Nanoalgosomes: Introducing extracellular vesicles produced by microalgae. <i>Journal of Extracellular Vesicles</i> , <b>2021</b> , 10, e12081	16.4	17
35	2,2',4,4'-Tetrabromodiphenyl Ether (PBDE-47) Modulates the Intracellular miRNA Profile, sEV Biogenesis and Their miRNA Cargo Exacerbating the LPS-Induced Pro-Inflammatory Response in THP-1 Macrophages. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 664534	8.4	4
34	Rapid Characterization and Quantification of Extracellular Vesicles by Fluorescence-Based Microfluidic Diffusion Sizing. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2100021	10.1	4
33	Antioxidant Bioprospecting in Microalgae: Characterisation of the Potential of Two Marine Heterokonts from Irish Waters. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 981-997	3.2	3
32	Sialylation of host proteins as targetable risk factor for COVID-19 susceptibility and spreading: A hypothesis. <i>FASEB BioAdvances</i> , <b>2021</b> , 3, 192-197	2.8	0
31	Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. <i>Biomaterials Science</i> , <b>2021</b> , 9, 2917-2930	7.4	13
30	Design of transfections: Implementation of design of experiments for cell transfection fine tuning. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 4488-4502	4.9	2
29	HDAC inhibitors tune miRNAs in extracellular vesicles of dystrophic muscle-resident mesenchymal cells. <i>EMBO Reports</i> , <b>2020</b> , 21, e50863	6.5	20
28	Post-translational lipidation in extracellular vesicles: chemical mechanisms, biological functions and applications. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , <b>2020</b> , 83-111	1	1
27	A failure mode and effect analysis (FMEA)-based approach for risk assessment of scientific processes in non-regulated research laboratories. <i>Accreditation and Quality Assurance</i> , <b>2020</b> , 25, 311-321	0.7	7
26	Human airway epithelial extracellular vesicle miRNA signature is altered upon asthma development. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 75, 346-356	9.3	41
25	Scalable Production and Isolation of Extracellular Vesicles: Available Sources and Lessons from Current Industrial Bioprocesses. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1800528	5.6	32
24	Excessive exosome release is the pathogenic pathway linking a lysosomal deficiency to generalized fibrosis. <i>Science Advances</i> , <b>2019</b> , 5, eaav3270	14.3	20

23	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
22	Palmitoylation is a post-translational modification of Alix regulating the membrane organization of exosome-like small extracellular vesicles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 2879-2887	4	24
21	A sea urchin in vivo model to evaluate Epithelial-Mesenchymal Transition. <i>Development Growth and Differentiation</i> , <b>2017</b> , 59, 141-151	3	5
20	Pro-invasive stimuli and the interacting protein Hsp70 favour the route of alpha-enolase to the cell surface. <i>Scientific Reports</i> , <b>2017</b> , 7, 3841	4.9	12
19	Alix-mediated assembly of the actomyosin-tight junction polarity complex preserves epithelial polarity and epithelial barrier. <i>Nature Communications</i> , <b>2016</b> , 7, 11876	17.4	25
18	Quality-based model for Life Sciences research guidelines. <i>Accreditation and Quality Assurance</i> , <b>2016</b> , 21, 221-230	0.7	8
17	Applying Quality and Project Management methodologies in biomedical research laboratories: a public research network case study. <i>Accreditation and Quality Assurance</i> , <b>2015</b> , 20, 203-213	0.7	17
16	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , <b>2015</b> , 31, 933-9	7.2	256
15	Applying Design of Experiments Methodology to PEI Toxicity Assay on Neural Progenitor Cells <b>2015</b> , 45-63		5
14	Identification and characterization of PLAlix, the Alix homologue from the Mediterranean sea urchin <i>Paracentrotus lividus</i> . <i>Development Growth and Differentiation</i> , <b>2013</b> , 55, 237-46	3	5
13	Identification and characterization of the nano-sized vesicles released by muscle cells. <i>FEBS Letters</i> , <b>2013</b> , 587, 1379-84	3.8	80
12	Alix protein is substrate of Ozz-E3 ligase and modulates actin remodeling in skeletal muscle. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 12159-71	5.4	20
11	Ozz-E3 ubiquitin ligase targets sarcomeric embryonic myosin heavy chain during muscle development. <i>PLoS ONE</i> , <b>2010</b> , 5, e9866	3.7	16
10	E3 ubiquitin ligases as regulators of membrane protein trafficking and degradation. <i>Traffic</i> , <b>2005</b> , 6, 429-41	3.7	182
9	Ozz-E3, a muscle-specific ubiquitin ligase, regulates beta-catenin degradation during myogenesis. <i>Developmental Cell</i> , <b>2004</b> , 6, 269-82	10.2	76
8	Substance P induces TNF-alpha and IL-6 production through NF kappa B in peritoneal mast cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2003</b> , 1643, 75-83	4.9	156
7	Mast cell production of TNF-alpha induced by substance P evidence for a modulatory role of substance P-antagonists. <i>Journal of Neuroimmunology</i> , <b>1999</b> , 101, 128-36	3.5	25
6	Histamine and tumor necrosis factor-alpha production from purified rat brain mast cells mediated by substance P. <i>NeuroReport</i> , <b>1999</b> , 10, 575-8	1.7	40

5	Evidence that brain mast cells can modulate neuroinflammatory responses by tumour necrosis factor-alpha production. <i>NeuroReport</i> , <b>1998</b> , 9, 95-8	1.7	25
4	Substance P selectively activates TNF-alpha mRNA in rat uterine immune cells: a neuroimmune link. <i>NeuroReport</i> , <b>1997</b> , 8, 2961-4	1.7	20
3	Inhibitory effect of neuraminidase on SP-induced histamine release and TNF-alpha mRNA in rat mast cells: evidence of a receptor-independent mechanism. <i>Journal of Neuroimmunology</i> , <b>1997</b> , 75, 9-18	3.5	30
2	A factor secreted by human embryo stimulates cytokine release by uterine mast cell. <i>Molecular Human Reproduction</i> , <b>1996</b> , 2, 781-91	4.4	18
1	Effect of substance P on uterine mast cell cytokine release during the reproductive cycle. <i>Journal of Neuroimmunology</i> , <b>1995</b> , 60, 107-15	3.5	37