

# FRANCESC E. BORRAS

## List of Publications by Year in descending order

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104  
papers

17,755  
citations

81900

39  
h-index

33894

99  
g-index

111  
all docs

111  
docs citations

111  
times ranked

23301  
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	Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27066.	12.2	3,973
3	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. <i>PLoS Biology</i> , 2012, 10, e1001450.	5.6	1,064
4	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. <i>ACS Nano</i> , 2016, 10, 3886-3899.	14.6	397
5	Size-Exclusion Chromatography-based isolation minimally alters Extracellular Vesicles™ characteristics compared to precipitating agents. <i>Scientific Reports</i> , 2016, 6, 33641.	3.3	385
6	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015, 31, 933-939.	4.1	317
7	Extracellular vesicle isolation methods: rising impact of size-exclusion chromatography. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2369-2382.	5.4	224
8	Capture and transfer of HIV-1 particles by mature dendritic cells converges with the exosome-dissemination pathway. <i>Blood</i> , 2009, 113, 2732-2741.	1.4	208
9	Transcription factors that regulate monocyte/macrophage differentiation. <i>Journal of Leukocyte Biology</i> , 1998, 63, 405-417.	3.3	198
10	HIV and Mature Dendritic Cells: Trojan Exosomes Riding the Trojan Horse?. <i>PLoS Pathogens</i> , 2010, 6, e1000740.	4.7	184
11	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12093.	12.2	182
12	Secretion of interferon $\beta$ by human macrophages demonstrated at the single cell level after costimulation with interleukin (IL) $\alpha$ 12 plus IL $\alpha$ 18. <i>Immunology</i> , 2009, 126, 386-393.	4.4	173
13	Size exclusion chromatography as a stand alone methodology identifies novel markers in mass spectrometry analyses of plasma derived vesicles from healthy individuals. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27378.	12.2	158
14	Nanosized UCMSC-derived extracellular vesicles but not conditioned medium exclusively inhibit the inflammatory response of stimulated T cells: implications for nanomedicine. <i>Theranostics</i> , 2017, 7, 270-284.	10.0	155
15	Size exclusion chromatography based enrichment of extracellular vesicles from urine samples. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27369.	12.2	153
16	Comparative study of clinical grade human tolerogenic dendritic cells. <i>Journal of Translational Medicine</i> , 2011, 9, 89.	4.4	146
17	The transcription factor PU.1 is involved in macrophage proliferation.. <i>Journal of Experimental Medicine</i> , 1996, 184, 61-69.	8.5	135
18	Exploratory study on microRNA profiles from plasma-derived extracellular vesicles in Alzheimer™s disease and dementia with Lewy bodies. <i>Translational Neurodegeneration</i> , 2019, 8, 31.	8.0	112

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19	Urinary Extracellular Vesicles as Source of Biomarkers in Kidney Diseases. <i>Frontiers in Immunology</i> , 2015, 6, 6.	4.8	109
20	Inflammatory Conditions Dictate the Effect of Mesenchymal Stem or Stromal Cells on B Cell Function. <i>Frontiers in Immunology</i> , 2017, 8, 1042.	4.8	106
21	Maturation of Blood-Derived Dendritic Cells Enhances Human Immunodeficiency Virus Type 1 Capture and Transmission. <i>Journal of Virology</i> , 2007, 81, 7559-7570.	3.4	99
22	Stable antigen-specific T cell hyporesponsiveness induced by tolerogenic dendritic cells from multiple sclerosis patients. <i>European Journal of Immunology</i> , 2012, 42, 771-782.	2.9	99
23	A bead-assisted flow cytometry method for the semi-quantitative analysis of Extracellular Vesicles. <i>Scientific Reports</i> , 2017, 7, 11271.	3.3	95
24	International Society for Extracellular Vesicles and International Society for Cell and Gene Therapy statement on extracellular vesicles from mesenchymal stromal cells and other cells: considerations for potential therapeutic agents to suppress coronavirus disease-19. <i>Cytotherapy</i> , 2020, 22, 482-485.	0.7	94
25	The DC-SIGN-related lectin LSECtin mediates antigen capture and pathogen binding by human myeloid cells. <i>Blood</i> , 2007, 109, 5337-5345.	1.4	87
26	Proteomic analysis of microvesicles from plasma of healthy donors reveals high individual variability. <i>Journal of Proteomics</i> , 2012, 75, 3574-3584.	2.4	86
27	Identification of both myeloid CD11c <sup>+</sup> and lymphoid CD11c <sup>hi</sup> dendritic cell subsets in cord blood. <i>British Journal of Haematology</i> , 2001, 113, 925-931.	2.5	81
28	The human CD5L/AIM-CD36 axis: A novel autophagy inducer in macrophages that modulates inflammatory responses. <i>Autophagy</i> , 2015, 11, 487-502.	9.1	78
29	Immunomodulatory Effect of MSC on B Cells Is Independent of Secreted Extracellular Vesicles. <i>Frontiers in Immunology</i> , 2019, 10, 1288.	4.8	78
30	Dendritic cells pulsed with antigen-specific apoptotic bodies prevent experimental type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2010, 160, 207-214.	2.6	75
31	Reduced numbers of plasmacytoid dendritic cells in aged blood donors. <i>Experimental Gerontology</i> , 2007, 42, 1033-1038.	2.8	72
32	Microvesicles released from <i>Giardia intestinalis</i> disturb host-pathogen response in vitro. <i>European Journal of Cell Biology</i> , 2017, 96, 131-142.	3.6	72
33	Exosomes and retroviruses: the chicken or the egg?. <i>Cellular Microbiology</i> , 2011, 13, 10-17.	2.1	71
34	The Complement Inhibitor Factor H Generates an Anti-Inflammatory and Tolerogenic State in Monocyte-Derived Dendritic Cells. <i>Journal of Immunology</i> , 2016, 196, 4274-4290.	0.8	54
35	Extracellular Vesicle Isolation from Different Biological Fluids by Size Exclusion Chromatography. <i>Current Protocols in Stem Cell Biology</i> , 2019, 49, e82.	3.0	53
36	Treatment of monocytes with interleukin (IL)-12 plus IL-18 stimulates survival, differentiation and the production of CXC chemokine ligands (CXCL)8, CXCL9 and CXCL10. <i>Clinical and Experimental Immunology</i> , 2006, 145, 535-544.	2.6	50

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37	Capture of cell-derived microvesicles (exosomes and apoptotic bodies) by human plasmacytoid dendritic cells. <i>Journal of Leukocyte Biology</i> , 2012, 91, 751-758.	3.3	42
38	Serum-derived exosomes from non-viremic animals previously exposed to the porcine respiratory and reproductive virus contain antigenic viral proteins. <i>Veterinary Research</i> , 2016, 47, 59.	3.0	42
39	Sustained Expression of CD154 (CD40L) and Proinflammatory Cytokine Production by Alloantigen-Stimulated Umbilical Cord Blood T Cells. <i>Journal of Immunology</i> , 2000, 164, 6206-6212.	0.8	41
40	Local administration of porcine immunomodulatory, chemotactic and angiogenic extracellular vesicles using engineered cardiac scaffolds for myocardial infarction. <i>Bioactive Materials</i> , 2021, 6, 3314-3327.	15.6	40
41	Low doses of LPS exacerbate the inflammatory response and trigger death on TLR3-primed human monocytes. <i>Cell Death and Disease</i> , 2018, 9, 499.	6.3	38
42	Spleen-Dependent Immune Protection Elicited by CpG Adjuvanted Reticulocyte-Derived Exosomes from Malaria Infection Is Associated with Changes in T cell Subsets' Distribution. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 131.	3.7	37
43	Human scavenger protein AIM increases foam cell formation and CD36-mediated oxLDL uptake. <i>Journal of Leukocyte Biology</i> , 2013, 95, 509-520.	3.3	36
44	Mesenchymal Stem Cells Induce Expression of CD73 in Human Monocytes In Vitro and in a Swine Model of Myocardial Infarction In Vivo. <i>Frontiers in Immunology</i> , 2017, 8, 1577.	4.8	36
45	Repression of I- $\beta$ 2 Gene Expression by the Transcription Factor PU.1. <i>Journal of Biological Chemistry</i> , 1995, 270, 24385-24391.	3.4	34
46	Analysis of the cumulative changes in Graves' disease thyroid glands points to IFN signature, plasmacytoid DCs and alternatively activated macrophages as chronicity determining factors. <i>Journal of Autoimmunity</i> , 2011, 36, 189-200.	6.5	34
47	Tolerance in Organ Transplantation: From Conventional Immunosuppression to Extracellular Vesicles. <i>Frontiers in Immunology</i> , 2014, 5, 416.	4.8	34
48	The $\beta$ 20 Isoform of the Complement Regulator C4b-Binding Protein Induces a Semimature, Anti-Inflammatory State in Dendritic Cells. <i>Journal of Immunology</i> , 2013, 190, 2857-2872.	0.8	33
49	Acellular cardiac scaffolds enriched with MSC-derived extracellular vesicles limit ventricular remodelling and exert local and systemic immunomodulation in a myocardial infarction porcine model. <i>Theranostics</i> , 2022, 12, 4656-4670.	10.0	33
50	Functional analysis of the CD300e receptor in human monocytes and myeloid dendritic cells. <i>European Journal of Immunology</i> , 2010, 40, 722-732.	2.9	32
51	Extracellular vesicles, new actors in the search for biomarkers of dementias. <i>Neurobiology of Aging</i> , 2019, 74, 15-20.	3.1	32
52	Myelin peptides in multiple sclerosis. <i>Autoimmunity Reviews</i> , 2009, 8, 650-653.	5.8	28
53	Commonly used methods for extracellular vesicles' enrichment: Implications in downstream analyses and use. <i>European Journal of Cell Biology</i> , 2022, 101, 151227.	3.6	27
54	Expression and function of the IL-2 receptor in activated human plasmacytoid dendritic cells. <i>European Journal of Immunology</i> , 2007, 37, 1764-1772.	2.9	26

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55	Ligation of Notch Receptors in Human Conventional and Plasmacytoid Dendritic Cells Differentially Regulates Cytokine and Chemokine Secretion and Modulates Th Cell Polarization. <i>Journal of Immunology</i> , 2011, 186, 7006-7015.	0.8	26
56	Proteomic signature of circulating extracellular vesicles in dilated cardiomyopathy. <i>Laboratory Investigation</i> , 2018, 98, 1291-1299.	3.7	26
57	Targeted-pig trial on safety and immunogenicity of serum-derived extracellular vesicles enriched fractions obtained from Porcine Respiratory and Reproductive virus infections. <i>Scientific Reports</i> , 2018, 8, 17487.	3.3	26
58	Differential effects of monophosphoryl lipid A and cytokine cocktail as maturation stimuli of immunogenic and tolerogenic dendritic cells for immunotherapy. <i>Vaccine</i> , 2012, 30, 378-387.	3.8	25
59	Graphene oxide enhances alginate encapsulated cells viability and functionality while not affecting the foreign body response. <i>Drug Delivery</i> , 2018, 25, 1147-1160.	5.7	25
60	Osteogenic commitment of Wharton's jelly mesenchymal stromal cells: mechanisms and implications for bioprocess development and clinical application. <i>Stem Cell Research and Therapy</i> , 2019, 10, 356.	5.5	22
61	Bovine peripheral blood MSCs chemotax towards inflammation and embryo implantation stimuli. <i>Journal of Cellular Physiology</i> , 2021, 236, 1054-1067.	4.1	22
62	Preclinical Evaluation of the Immunomodulatory Properties of Cardiac Adipose Tissue Progenitor Cells Using Umbilical Cord Blood Mesenchymal Stem Cells: A Direct Comparative Study. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	21
63	Characterization and proteomic profile of extracellular vesicles from peritoneal dialysis efflux. <i>PLoS ONE</i> , 2017, 12, e0176987.	2.5	21
64	Urinary vitronectin identifies patients with high levels of fibrosis in kidney grafts. <i>Journal of Nephrology</i> , 2021, 34, 861-874.	2.0	20
65	Regulatory role of vitamin D in T-cell reactivity against myelin peptides in relapsing-remitting multiple sclerosis patients. <i>BMC Neurology</i> , 2012, 12, 103.	1.8	17
66	Molecular profile of urine extracellular vesicles from normo-functional kidneys reveal minimal differences between living and deceased donors. <i>BMC Nephrology</i> , 2018, 19, 189.	1.8	17
67	Therapeutic Potential of Extracellular Vesicles. <i>Frontiers in Immunology</i> , 2014, 5, 658.	4.8	16
68	Comprehensive proteomic profiling of plasma-derived Extracellular Vesicles from dementia with Lewy Bodies patients. <i>Scientific Reports</i> , 2019, 9, 13282.	3.3	16
69	Differential expression of the cytokine receptors for human interleukin (IL)-12 and IL-18 on lymphocytes of both CD45RA+ and CD45RO+ phenotype from tonsils, cord and adult peripheral blood. <i>Clinical and Experimental Immunology</i> , 2004, 138, 460-465.	2.6	15
70	Paradoxical role of Breg-inducing cytokines in autoimmune diseases. <i>Journal of Translational Autoimmunity</i> , 2019, 2, 100011.	4.0	15
71	Bovine endometrial MSC: mesenchymal to epithelial transition during luteolysis and tropism to implantation niche for immunomodulation. <i>Stem Cell Research and Therapy</i> , 2019, 10, 23.	5.5	15
72	Specific T-cell proliferation to myelin peptides in relapsing-remitting multiple sclerosis. <i>European Journal of Neurology</i> , 2011, 18, 1101-1104.	3.3	13

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73	Dendritic cells can be successfully generated from CD34+ cord blood cells in the presence of autologous cord blood plasma. <i>Bone Marrow Transplantation</i> , 2000, 26, 371-376.	2.4	12
74	Differential up-regulation of HLA-DM, invariant chain, and CD83 on myeloid and plasmacytoid dendritic cells from peripheral blood. <i>Tissue Antigens</i> , 2004, 63, 149-157.	1.0	12
75	Proteomic profiling of peritoneal dialysis effluent-derived extracellular vesicles: a longitudinal study. <i>Journal of Nephrology</i> , 2019, 32, 1021-1031.	2.0	12
76	Proteomic Characterization of Urinary Extracellular Vesicles from Kidney-Transplanted Patients Treated with Calcineurin Inhibitors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7569.	4.1	12
77	Potential of Extracellular Vesicle-Associated TSG-6 from Adipose Mesenchymal Stromal Cells in Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6761.	4.1	12
78	Proteomic Research in Peritoneal Dialysis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5489.	4.1	11
79	Reduced Plasma Extracellular Vesicle CD5L Content in Patients With Acute-On-Chronic Liver Failure: Interplay With Specialized Pro-Resolving Lipid Mediators. <i>Frontiers in Immunology</i> , 2022, 13, 842996.	4.8	11
80	Tacrolimus treatment of plasmacytoid dendritic cells inhibits dinucleotide (CpG)-induced tumour necrosis factor-alpha secretion. <i>Immunology</i> , 2006, 119, 488-498.	4.4	10
81	Tolerance in Kidney Transplantation: What Is on the B Side?. <i>Mediators of Inflammation</i> , 2016, 2016, 1-11.	3.0	10
82	Primary Alloproliferative TH1 Response Induced by Immature Plasmacytoid Dendritic Cells in Collaboration with Myeloid DCs. <i>American Journal of Transplantation</i> , 2005, 5, 2838-2848.	4.7	9
83	Increased expression with differential subcellular location of cytidine deaminase APOBEC3G in human CD4 + T cell activation and dendritic cell maturation. <i>Immunology and Cell Biology</i> , 2016, 94, 689-700.	2.3	9
84	Extracellular vesicles do not contribute to higher circulating levels of soluble LRP1 in idiopathic dilated cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3000-3009.	3.6	9
85	Dissemination of <i>Mycobacterium tuberculosis</i> is associated to a SIGLEC1 null variant that limits antigen exchange via trafficking extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12046.	12.2	9
86	TLR-activated conventional DCs promote $\beta$ -secretase-mediated conditioning of plasmacytoid DCs. <i>Journal of Leukocyte Biology</i> , 2012, 92, 133-143.	3.3	8
87	Cord Blood Dendritic Cells: Subsets, Functional Characteristics and In Vitro Generation. <i>Leukemia and Lymphoma</i> , 2003, 44, 923-928.	1.3	5
88	In Vitro Characterization of Human CD24 <sup>hi</sup> CD38 <sup>hi</sup> Regulatory B Cells Shows CD9 Is Not a Stable Breg Cell Marker. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4583.	4.1	5
89	Distribution of CD31 on CD4 T-Cells from Cord Blood, Peripheral Blood and Tonsil at Different Stages of Differentiation. <i>The Open Immunology Journal</i> , 2010, 3, 19-26.	1.5	5
90	B Cell-Derived Extracellular Vesicles Reveal Residual B Cell Activity in Kidney Graft Recipients Undergoing Pre-Transplant Desensitization. <i>Frontiers in Medicine</i> , 2021, 8, 781239.	2.6	4

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91	Ha llegado el momento. Inmunologia (Barcelona, Spain: 1987), 2012, 31, 95-96.	0.1	2
92	Technical challenges for extracellular vesicle research towards clinical translation. European Heart Journal, 2019, 40, 3359-3360.	2.2	2
93	Stem Cells: Immunotherapy in Solid Organ Transplantation. , 2018, , .		2
94	¿Haciendo un poco de historia?. Inmunologia (Barcelona, Spain: 1987), 2011, 30, 107.	0.1	1
95	En homenaje a Ralph Marvin Steinman. Inmunologia (Barcelona, Spain: 1987), 2012, 31, 35-36.	0.1	1
96	First Symposium of "Grupo Español de Investigación en Vesículas Extracelulares (GEIVEX)", Segovia, 8-9 November 2012. Journal of Extracellular Vesicles, 2013, 2, 20256.	12.2	1
97	S.103. Detection of Interferon Signature, Plasmacytoid Dendritic Cells (pDCs) and Alternatively Activated Macrophages (AAM) in Graves' Disease Thyroid as Chronicity Factors. Clinical Immunology, 2009, 131, S161.	3.2	0
98	Biological aspects of human plasmacytoid dendritic cells and their leukemic counterparts; similarities and differences. Inmunologia (Barcelona, Spain: 1987), 2010, 29, 125-134.	0.1	0
99	Influenza outbreak, a year after the pandemic, what have we learned?. Inmunologia (Barcelona, Spain:) Tj ETQq1 1 0.784314 ggBT /Ov	0.1	0
100	XXXVI Congreso de la Sociedad Española de Inmunología. Inmunologia (Barcelona, Spain: 1987), 2011, 30, 135-144.	0.1	0
101	Dendritic cells: Nearly 40 years later. Inmunologia (Barcelona, Spain: 1987), 2012, 31, 49-57.	0.1	0
102	2011-2012, el bienio mediático de la Inmunología?. Inmunologia (Barcelona, Spain: 1987), 2012, 31, 63-64.	0.1	0
103	Inmunología. Punto y aparte. Inmunologia (Barcelona, Spain: 1987), 2013, 32, 41-42.	0.1	0
104	Extracellular Vesicles From Liver Progenitor Cells Downregulates Fibroblast Metabolic Activity and Increase the Expression of Immune-Response Related Molecules. Frontiers in Cell and Developmental Biology, 2020, 8, 613583.	3.7	0