

# MarÃ-a YÃ;Ã±ez-MÃ³

## List of Publications by Year in descending order

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104  
papers

21,384  
citations

38660

50  
h-index

33814

99  
g-index

105  
all docs

105  
docs citations

105  
times ranked

26323  
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.	5.5	6,961
2	Biological properties of extracellular vesicles and their physiological functions. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 27066.	5.5	3,973
3	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. <i>PLoS Biology</i> , 2012, 10, e1001450.	2.6	1,064
4	Tetraspanins in Extracellular Vesicle Formation and Function. <i>Frontiers in Immunology</i> , 2014, 5, 442.	2.2	992
5	Peritoneal Dialysis and Epithelial-to-Mesenchymal Transition of Mesothelial Cells. <i>New England Journal of Medicine</i> , 2003, 348, 403-413.	13.9	694
6	Dynamic interaction of VCAM-1 and ICAM-1 with moesin and ezrin in a novel endothelial docking structure for adherent leukocytes. <i>Journal of Cell Biology</i> , 2002, 157, 1233-1245.	2.3	540
7	Tetraspanin-enriched microdomains: a functional unit in cell plasma membranes. <i>Trends in Cell Biology</i> , 2009, 19, 434-446.	3.6	517
8	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. <i>ACS Nano</i> , 2016, 10, 3886-3899.	7.3	397
9	The Intracellular Interactome of Tetraspanin-enriched Microdomains Reveals Their Function as Sorting Machineries toward Exosomes. <i>Journal of Biological Chemistry</i> , 2013, 288, 11649-11661.	1.6	377
10	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015, 31, 933-939.	1.8	317
11	Regulation of Endothelial Cell Motility by Complexes of Tetraspan Molecules CD81/TAPA-1 and CD151/PETA-3 with $\beta 1$ Integrin Localized at Endothelial Lateral Junctions. <i>Journal of Cell Biology</i> , 1998, 141, 791-804.	2.3	266
12	Endothelial adhesion receptors are recruited to adherent leukocytes by inclusion in preformed tetraspanin nanoplateforms. <i>Journal of Cell Biology</i> , 2008, 183, 527-542.	2.3	211
13	ECM regulates MT1-MMP localization with $\beta 1$ or $\beta 3$ integrins at distinct cell compartments modulating its internalization and activity on human endothelial cells. <i>Journal of Cell Biology</i> , 2002, 159, 509-521.	2.3	206
14	ITAM-Based Interaction of ERM Proteins with Syk Mediates Signaling by the Leukocyte Adhesion Receptor PSGL-1. <i>Immunity</i> , 2002, 17, 401-412.	6.6	200
15	Endothelial tetraspanin microdomains regulate leukocyte firm adhesion during extravasation. <i>Blood</i> , 2005, 105, 2852-2861.	0.6	199
16	EWI-2 and EWI-F Link the Tetraspanin Web to the Actin Cytoskeleton through Their Direct Association with Ezrin-Radixin-Moesin Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 19665-19675.	1.6	178
17	Caveolae Are a Novel Pathway for Membrane-Type 1 Matrix Metalloproteinase Traffic in Human Endothelial Cells. <i>Molecular Biology of the Cell</i> , 2004, 15, 678-687.	0.9	163
18	Tetraspanins CD9 and CD81 Modulate HIV-1-Induced Membrane Fusion. <i>Journal of Immunology</i> , 2006, 177, 5129-5137.	0.4	149

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19	Extracellular Vesicles from BOEC in In Vitro Embryo Development and Quality. PLoS ONE, 2016, 11, e0148083.	1.1	145
20	Comparative analysis of EV isolation procedures for miRNAs detection in serum samples. Journal of Extracellular Vesicles, 2016, 5, 31655.	5.5	131
21	Cutting Edge: Dynamic Redistribution of Tetraspanin CD81 at the Central Zone of the Immune Synapse in Both T Lymphocytes and APC. Journal of Immunology, 2002, 169, 6691-6695.	0.4	128
22	VLA-4 integrin concentrates at the peripheral supramolecular activation complex of the immune synapse and drives T helper 1 responses. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11058-11063.	3.3	128
23	Histone Deacetylase 6 Regulates Human Immunodeficiency Virus Type 1 Infection. Molecular Biology of the Cell, 2005, 16, 5445-5454.	0.9	117
24	Development of a rapid lateral flow immunoassay test for detection of exosomes previously enriched from cell culture medium and body fluids. Journal of Extracellular Vesicles, 2016, 5, 31803.	5.5	114
25	CD69 Association with Jak3/Stat5 Proteins Regulates Th17 Cell Differentiation. Molecular and Cellular Biology, 2010, 30, 4877-4889.	1.1	110
26	Effect of bovine oviductal extracellular vesicles on embryo development and quality in vitro. Reproduction, 2017, 153, 461-470.	1.1	110
27	Membrane type 1 matrix metalloproteinase is involved in migration of human monocytes and is regulated through their interaction with fibronectin or endothelium. Blood, 2005, 105, 3956-3964.	0.6	105
28	MT1-MMP collagenolytic activity is regulated through association with tetraspanin CD151 in primary endothelial cells. Blood, 2008, 112, 3217-3226.	0.6	105
29	Regulatory role of tetraspanin CD9 in tumor endothelial cell interaction during transendothelial invasion of melanoma cells. Blood, 2001, 98, 3717-3726.	0.6	103
30	High sensitivity detection of extracellular vesicles immune-captured from urine by conventional flow cytometry. Scientific Reports, 2019, 9, 2042.	1.6	101
31	Tetraspanins are Localized at Motility-Related Structures and Involved in Normal Human Keratinocyte Wound Healing Migration. Journal of Investigative Dermatology, 2000, 114, 1126-1135.	0.3	98
32	The tetraspanin CD9 inhibits the proliferation and tumorigenicity of human colon carcinoma cells. International Journal of Cancer, 2007, 121, 2140-2152.	2.3	95
33	A bead-assisted flow cytometry method for the semi-quantitative analysis of Extracellular Vesicles. Scientific Reports, 2017, 7, 11271.	1.6	95
34	Embryonic implantation and leukocyte transendothelial migration: different processes with similar players?. FASEB Journal, 2005, 19, 1056-1060.	0.2	94
35	The sheddase activity of ADAM17/TACE is regulated by the tetraspanin CD9. Cellular and Molecular Life Sciences, 2011, 68, 3275-3292.	2.4	93
36	The hepatitis B virus X protein (HBx) induces a migratory phenotype in a CD44-dependent manner: Possible role of HBx in invasion and metastasis. Hepatology, 2001, 33, 1270-1281.	3.6	78

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37	Point-of-care detection of extracellular vesicles: Sensitivity optimization and multiple-target detection. <i>Biosensors and Bioelectronics</i> , 2017, 87, 38-45.	5.3	78
38	Extracellular vesicles as a source for non-invasive biomarkers in bladder cancer progression. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 98, 70-79.	1.9	75
39	Effect of the hepatitis B virus HBx protein on integrin-mediated adhesion to and migration on extracellular matrix. <i>Journal of Hepatology</i> , 2001, 34, 409-415.	1.8	71
40	Functional interplay between tetraspanins and proteases. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3323-3335.	2.4	71
41	The RhoA Effector mDia Is Induced During T Cell Activation and Regulates Actin Polymerization and Cell Migration in T Lymphocytes. <i>Journal of Immunology</i> , 2003, 171, 1023-1034.	0.4	69
42	von Hippel-Lindau Tumor Suppressor Protein Regulates the Assembly of Intercellular Junctions in Renal Cancer Cells through Hypoxia-Inducible Factor-Independent Mechanisms. <i>Cancer Research</i> , 2006, 66, 1553-1560.	0.4	69
43	A juxta-membrane amino acid sequence of P-selectin glycoprotein ligand-1 is involved in moesin binding and ezrin/radixin/moesin-directed targeting at the trailing edge of migrating lymphocytes. <i>European Journal of Immunology</i> , 2002, 32, 1560.	1.6	66
44	A Functionally Relevant Conformational Epitope on the CD9 Tetraspanin Depends on the Association with Activated $\beta$ 1Integrin. <i>Journal of Biological Chemistry</i> , 2003, 278, 208-218.	1.6	66
45	CD81 regulates cell migration through its association with Rac GTPase. <i>Molecular Biology of the Cell</i> , 2013, 24, 261-273.	0.9	64
46	Myosin IIA is involved in the endocytosis of CXCR4 induced by SDF-1 $\alpha$ . <i>Journal of Cell Science</i> , 2007, 120, 1126-1133.	1.2	62
47	CD81 Controls Sustained T Cell Activation Signaling and Defines the Maturation Stages of Cognate Immunological Synapses. <i>Molecular and Cellular Biology</i> , 2013, 33, 3644-3658.	1.1	61
48	Immunoassays for scarce tumour-antigens in exosomes: detection of the human NKG2D-Ligand, MICA, in tetraspanin-containing nanovesicles from melanoma. <i>Journal of Nanobiotechnology</i> , 2018, 16, 47.	4.2	60
49	The leukocyte cytoskeleton in cell migration and immune interactions. <i>International Review of Cytology</i> , 2002, 216, 233-289.	6.2	58
50	Tetraspanins CD9 and CD151 at the immune synapse support $\beta$ cell integrin signaling. <i>European Journal of Immunology</i> , 2014, 44, 1967-1975.	1.6	54
51	Cutting Edge: Association of the Motor Protein Nonmuscle Myosin Heavy Chain-IIA with the C Terminus of the Chemokine Receptor CXCR4 in T Lymphocytes. <i>Journal of Immunology</i> , 2002, 169, 5410-5414.	0.4	53
52	EWI-2 Association with $\beta$ -Actinin Regulates T Cell Immune Synapses and HIV Viral Infection. <i>Journal of Immunology</i> , 2012, 189, 689-700.	0.4	44
53	Tetraspanins and Intercellular Interactions. <i>Microcirculation</i> , 2001, 8, 153-168.	1.0	41
54	Human Endometrial CD98 Is Essential for Blastocyst Adhesion. <i>PLoS ONE</i> , 2010, 5, e13380.	1.1	41

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55	Different states of integrin LFA-1 aggregation are controlled through its association with tetraspanin CD9. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2464-2480.	1.9	41
56	Interactive protrusive structures during leukocyte adhesion and transendothelial migration. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 1849.	3.0	38
57	Development of a quantitative method to measure EV uptake. <i>Scientific Reports</i> , 2019, 9, 10522.	1.6	37
58	CD81 association with SAMHD1 enhances HIV-1 reverse transcription by increasing dNTP levels. <i>Nature Microbiology</i> , 2017, 2, 1513-1522.	5.9	34
59	Association of syntenin-1 with M-RIP polarizes Rac-1 activation during chemotaxis and immune interactions. <i>Journal of Cell Science</i> , 2012, 125, 1235-1246.	1.2	33
60	CD9 Controls Integrin $\alpha 5 \beta 1$ -Mediated Cell Adhesion by Modulating Its Association With the Metalloproteinase ADAM17. <i>Frontiers in Immunology</i> , 2018, 9, 2474.	2.2	33
61	The PDZ-adaptor protein syntenin-1 regulates HIV-1 entry. <i>Molecular Biology of the Cell</i> , 2012, 23, 2253-2263.	0.9	31
62	Interaction of Pregnancy-Specific Glycoprotein 1 With Integrin $\alpha 5 \beta 1$ Is a Modulator of Extravillous Trophoblast Functions. <i>Cells</i> , 2019, 8, 1369.	1.8	30
63	Differential Expression of Activation Epitopes of $\alpha 1$ Integrins in Psoriasis and Normal Skin. <i>Journal of Investigative Dermatology</i> , 1998, 111, 19-24.	0.3	29
64	Tetraspanin $\alpha 6$ -decorated extracellular vesicle $\alpha$ -mimetics as a novel adaptable reference material. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1573052.	5.5	29
65	CD9 inhibition reveals a functional connection of extracellular vesicle secretion with mitophagy in melanoma cells. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12082.	5.5	27
66	Regulated recruitment of DC-SIGN to cell-cell contact regions during zymosan-induced human dendritic cell aggregation. <i>Journal of Leukocyte Biology</i> , 2005, 77, 699-709.	1.5	25
67	Probing the interaction of tetraspanin CD151 with integrin $\alpha 3 \beta 1$ using a panel of monoclonal antibodies with distinct reactivities toward the CD151 $\alpha$ -integrin $\alpha 3 \beta 1$ complex. <i>Biochemical Journal</i> , 2008, 415, 417-427.	1.7	25
68	Novel nonclassic progesterone receptor PGRMC1 pulldown-precipitated proteins reveal a key role during human decidualization. <i>Fertility and Sterility</i> , 2020, 113, 1050-1066.e7.	0.5	25
69	Tetraspanins and Intercellular Interactions. , 2001, 8, 153.		24
70	Effects of Mycophenolate Mofetil in Mercury-Induced Autoimmune Nephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 937-945.	3.0	24
71	Effect of long-term culture of mouse embryonic stem cells under low oxygen concentration as well as on glycosaminoglycan hyaluronan on cell proliferation and differentiation. <i>Cell Proliferation</i> , 2011, 44, 75-85.	2.4	23
72	Evidence of promiscuous endothelial binding by <i>Plasmodium falciparum</i> $\alpha$ -infected erythrocytes. <i>Cellular Microbiology</i> , 2014, 16, 701-708.	1.1	23

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73	Activation of Toll-like receptor 3 reduces actin polymerization and adhesion molecule expression in endometrial cells, a potential mechanism for viral-induced implantation failure. <i>Human Reproduction</i> , 2015, 30, 893-905.	0.4	23
74	Inhibition of Tetraspanin Functions Impairs Human Papillomavirus and Cytomegalovirus Infections. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3007.	1.8	23
75	Involvement of $\alpha 3$ integrin/tetraspanins complexes in the angiogenic response induced by angiotensin II. <i>FASEB Journal</i> , 2001, 15, 1457-1459.	0.2	22
76	International Society for Extracellular Vesicles: first annual meeting, April 17-21, 2012: ISEV-2012. <i>Journal of Extracellular Vesicles</i> , 2012, 1, 19995.	5.5	22
77	An EMMPRIN/ $\beta 3$ -catenin/Nm23 complex drives ATP production and actomyosin contractility at endothelial junctions. <i>Journal of Cell Science</i> , 2014, 127, 3768-81.	1.2	22
78	Tetraspanins, Another Piece in the HIV-1 Replication Puzzle. <i>Frontiers in Immunology</i> , 2018, 9, 1811.	2.2	22
79	Bovine peripheral blood MSCs chemotax towards inflammation and embryo implantation stimuli. <i>Journal of Cellular Physiology</i> , 2021, 236, 1054-1067.	2.0	22
80	An Efficient System to Establish Biopsy-Derived Trophoblastic Cell Lines from Bovine Embryos <sup>1</sup> . <i>Biology of Reproduction</i> , 2014, 91, 15.	1.2	20
81	Exosome beads array for multiplexed phenotyping in cancer. <i>Journal of Proteomics</i> , 2019, 198, 87-97.	1.2	17
82	Membrane proteases and tetraspanins. <i>Biochemical Society Transactions</i> , 2011, 39, 541-546.	1.6	16
83	RIAM-VASP Module Relays Integrin Complement Receptors in Outside-In Signaling Driving Particle Engulfment. <i>Cells</i> , 2020, 9, 1166.	1.8	16
84	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.	2.4	15
85	One-year dietary supplementation with walnuts modifies exosomal miRNA in elderly subjects. <i>European Journal of Nutrition</i> , 2021, 60, 1999-2011.	1.8	15
86	CD81 Controls Immunity to Listeria Infection through Rac-Dependent Inhibition of Proinflammatory Mediator Release and Activation of Cytotoxic T Cells. <i>Journal of Immunology</i> , 2015, 194, 6090-6101.	0.4	14
87	Embryonic Trophectoderm Secretomics Reveals Chemotactic Migration and Intercellular Communication of Endometrial and Circulating MSCs in Embryonic Implantation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5638.	1.8	13
88	Hitting the Bullseye: Are extracellular vesicles on target?. <i>Journal of Extracellular Vesicles</i> , 2020, 10, e12032.	5.5	11
89	Cellular Integrin $\alpha 5 \beta 1$ and Exosomal ADAM17 Mediate the Binding and Uptake of Exosomes Produced by Colorectal Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9938.	1.8	11
90	Tetraspanins interweave EV secretion, endosomal network dynamics and cellular metabolism. <i>European Journal of Cell Biology</i> , 2022, 101, 151229.	1.6	11

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91	European Network on Microvesicles and Exosomes in Health and Disease (ME-HaD). European Journal of Pharmaceutical Sciences, 2017, 98, 1-3.	1.9	10
92	Tetraspanin CD81 regulates HSV-1 infection. Medical Microbiology and Immunology, 2020, 209, 489-498.	2.6	10
93	Regulation of MT1-MMP Activity through Its Association with ERMs. Cells, 2020, 9, 348.	1.8	10
94	ALCAM/CD166 Is Involved in the Binding and Uptake of Cancer-Derived Extracellular Vesicles. International Journal of Molecular Sciences, 2022, 23, 5753.	1.8	10
95	Editorial: Functional Relevance of Tetraspanins in the Immune System. Frontiers in Immunology, 2019, 10, 1714.	2.2	9
96	An Immunocapture-Based Assay for Detecting Multiple Antigens in Melanoma-Derived Extracellular Vesicles. Methods in Molecular Biology, 2021, 2265, 323-344.	0.4	9
97	Selected Tetraspanins Functionalized Niosomes as Potential Standards for Exosome Immunoassays. Nanomaterials, 2020, 10, 971.	1.9	8
98	Activation of Peripheral Blood T Cells by Interaction and Migration Through Endothelium: Role of Lymphocyte Function Antigen-1/Intercellular Adhesion Molecule-1 and Interleukin-15. Blood, 1999, 93, 886-896.	0.6	7
99	A simple immunoassay for extracellular vesicle liquid biopsy in microliters of non-processed plasma. Journal of Nanobiotechnology, 2022, 20, 72.	4.2	6
100	First Symposium of "Grupo Español de Investigación en Vesículas Extracelulares (GEIVEX)", Segovia, 8-9 November 2012. Journal of Extracellular Vesicles, 2013, 2, 20256.	5.5	1
101	Adaptive tests as a supporting tool for self-evaluation in theoretical and practical contents in Biochemistry. , 2018, , .		1
102	The Role of Tetraspanins in Cell Migration and Intercellular Adhesion. , 2013, , 131-167.		0
103	Endothelial adhesion receptors are recruited to adherent leukocytes by inclusion in preformed tetraspanin nanoplatforms. Journal of Experimental Medicine, 2008, 205, i27-i27.	4.2	0
104	Live Imaging of Leukocyte-Endothelium Interactions. Methods in Molecular Biology, 2010, 616, 17-30.	0.4	0