Federica M Marelli-Berg

List of Publications by Year
in descending order

52	2,862	218677	214800
papers	citations	26 h-index	47 g-index

54	54	54	5272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lactate Regulates Metabolic and Pro-inflammatory Circuits in Control of T Cell Migration and Effector Functions. PLoS Biology, 2015, 13, e1002202.	5.6	489
2	Isolation of endothelial cells from murine tissue. Journal of Immunological Methods, 2000, 244, 205-215.	1.4	185
3	Regulatory T Cell Migration Is Dependent on Glucokinase-Mediated Glycolysis. Immunity, 2017, 47, 875-889.e10.	14.3	181
4	The Cellular and Molecular Basis of Translational Immunometabolism. Immunity, 2015, 43, 421-434.	14.3	161
5	Transmigration through venular walls: a key regulator of leukocyte phenotype and function. Trends in Immunology, 2005, 26, 157-165.	6.8	137
6	Obesity-Induced Metabolic Stress Leads to Biased Effector Memory CD4 + T Cell Differentiation via PI3K p110Î´-Akt-Mediated Signals. Cell Metabolism, 2017, 25, 593-609.	16.2	124
7	An immunologist's guide to CD31 function in T-cells. Journal of Cell Science, 2013, 126, 2343-2352.	2.0	123
8	Visceral Adipose Tissue Immune Homeostasis Is Regulated by the Crosstalk between Adipocytes and Dendritic Cell Subsets. Cell Metabolism, 2018, 27, 588-601.e4.	16.2	110
9	Mechanisms of chemokine and antigen-dependent T-lymphocyte navigation. Biochemical Journal, 2009, 418, 13-27.	3.7	92
10	Hepatocyte Growth Factor Receptor c-Met Instructs T Cell Cardiotropism and Promotes T Cell Migration to the Heart via Autocrine Chemokine Release. Immunity, 2015, 42, 1087-1099.	14.3	85
11	Cognate recognition of the endothelium induces HY-specific CD8+ T-lymphocyte transendothelial migration (diapedesis) in vivo. Blood, 2004, 103, 3111-3116.	1.4	80
12	Physiologic and aberrant regulation of memory T-cell trafficking by the costimulatory molecule CD28. Blood, 2007, 109, 2968-2977.	1.4	74
13	Enhanced activation of an amino-terminally truncated isoform of the voltage-gated proton channel HVCN1 enriched in malignant B cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18078-18083.	7.1	74
14	Molecular mechanisms of metabolic reprogramming in proliferating cells: implications for Tâ€cellâ€mediated immunity. Immunology, 2012, 136, 363-369.	4.4	72
15	Self-recognition of the endothelium enables regulatory T-cell trafficking and defines the kinetics of immune regulation. Nature Communications, 2014, 5, 3436.	12.8	64
16	Ig gene-like molecule CD31 plays a nonredundant role in the regulation of T-cell immunity and tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19461-19466.	7.1	57
17	Polyunsaturated Fatty Acid-Derived Lipid Mediators and T Cell Function. Frontiers in Immunology, 2014, 5, 75.	4.8	57
18	Delayed-onset myocarditis following COVID-19. Lancet Respiratory Medicine,the, 2021, 9, e32-e34.	10.7	54

#	Article	IF	Citations
19	Antigen presentation by the endothelium: a green light for antigen-specific T cell trafficking?. Immunology Letters, 2004, 93, 109-113.	2.5	53
20	CD31 signals confer immune privilege to the vascular endothelium. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5815-24.	7.1	52
21	T cell receptorâ€“induced phosphoinositide-3-kinase p110Î´ activity is required for T cell localization to antigenic tissue in mice. Journal of Clinical Investigation, 2008, 118, 1154-64.	8.2	49
22	Mechanisms of T cell organotropism. Cellular and Molecular Life Sciences, 2016, 73, 3009-3033.	5.4	48
23	Metabolic Regulation of Regulatory T Cell Development and Function. Frontiers in Immunology, 2014, 5, 590.	4.8	46
24	A two-signal model for T cell trafficking. Trends in Immunology, 2007, 28, 267-273.	6.8	34
25	Memory Tâ€cell trafficking: new directions for busy commuters. Immunology, 2010, 130, 158-165.	4.4	30
26	Metabolic regulation of leukocyte motility and migration. Journal of Leukocyte Biology, 2018, 104, 285-293.	3.3	30
27	Metabolic Syndrome and the Immunological Affair with the BloodÃ¢â‚¬â„¢Brain Barrier. Frontiers in Immunology, 2014, 5, 677.	4.8	29
28	Immunometabolic mechanisms of heart failure with preserved ejection fraction. , 2022, 1, 211-222.		27
29	CD31 Exhibits Multiple Roles in Regulating T Lymphocyte Trafficking In Vivo. Journal of Immunology, 2012, 189, 4104-4111.	0.8	23
30	T-cell receptorâ€“ and CD28-induced Vav1 activity is required for the accumulation of primed T cells into antigenic tissue. Blood, 2009, 113, 3696-3705.	1.4	22
31	Preservation of microvascular barrier function requires CD31 receptor-induced metabolic reprogramming. Nature Communications, 2020, 11, 3595.	12.8	22
32	Immunometabolic cross-talk in the inflamed heart. Cell Stress, 2019, 3, 240-266.	3.2	19
33	T Cell Immunity and Cardiovascular Metabolic Disorders: Does Metabolism Fuel Inflammation?. Frontiers in Immunology, 2012, 3, 173.	4.8	18
34	A Subset of CCL25-Induced Gut-Homing T Cells Affects Intestinal Immunity to Infection and Cancer. Frontiers in Immunology, 2019, 10, 271.	4.8	18
35	Impact of metabolic disorders on the structural, functional, and immunological integrity of the bloodâ€brain barrier: Therapeutic avenues. FASEB Journal, 2022, 36, e22107.	0.5	16
36	Comparative epigenetic analysis of tumour initiating cells and syngeneic EPSC-derived neural stem cells in glioblastoma. Nature Communications, 2021, 12, 6130.	12.8	14

#	Article	IF	Citations
37	Genetic or Pharmaceutical Blockade of Phosphoinositide 3-Kinase P110Î´ Prevents Chronic Rejection of Heart Allografts. PLoS ONE, 2012, 7, e32892.	2.5	13
38	Metabolic regulation of T lymphocyte motility and migration. Molecular Aspects of Medicine, 2021, 77, 100888.	6.4	13
39	Constitutive Activation of Î²-Catenin in Conventional Dendritic Cells Increases the Insulin Reserve to Ameliorate the Development of Type 2 Diabetes in Mice. Diabetes, 2019, 68, 1473-1484.	0.6	12
40	Primed T Cell Responses to Chemokines Are Regulated by the Immunoglobulin-Like Molecule CD31. PLoS ONE, 2012, 7, e39433.	2.5	11
41	T cell trafficking and metabolism: novel mechanisms and targets for immunomodulation. Current Opinion in Pharmacology, 2012, 12, 452-457.	3.5	9
42	HIF1Î± activation in dendritic cells under sterile conditions promotes an anti-inflammatory phenotype through accumulation of intracellular lipids. Scientific Reports, 2020, 10, 20825.	3.3	7
43	CD36 pumps fat to defang killer TÂcells in tumors. Cell Metabolism, 2021, 33, 1509-1511.	16.2	7
44	Loss of mTORC2-induced metabolic reprogramming in monocytes uncouples migration and maturation from production of proinflammatory mediators. Journal of Leukocyte Biology, 2022, 111, 967-980.	3.3	7
45	Nox2-deficient Tregs improve heart transplant outcomes via their increased graft recruitment and enhanced potency. JCI Insight, 2021, 6, .	5.0	6
46	Mechanisms of Leukocyte Transmigration: Role of Immunoglobulin Superfamily Molecules. , 2006, , 82-108.		2
47	Displacing, squeezing, and ramming: The role of nuclear lamins in leukocyte migration. Journal of Leukocyte Biology, 2018, 104, 235-236.	3.3	2
48	Isolation of Microvascular Endothelial Cells. Bio-protocol, 2018, 8, e2886.	0.4	2
49	Monitoring Migration of Activated T Cells to Antigen-Rich Non-lymphoid Tissue. Methods in Molecular Biology, 2017, 1591, 215-224.	0.9	1
50	Towards precision disease-modelling in experimental myocarditis. Cardiovascular Research, 2020, 116, 1656-1657.	3.8	1
51	Influenza-associated cardiac injury: a disease of the cardiac conduction system?. Cardiovascular Research, 2021, 117, 643-644.	3.8	0
52	Understanding Cell Migration Through the Paradigm of T-Lymphocyte Homing. , 2007, , 49-60.		0