Kathleen M Caron

List of Publications by Year
in descending order

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65 papers	2,511 citations	201674 27 h-index	214800 47 g-index
67 all docs	67 docs citations	67 times ranked	3565 citing authors

#	Article	IF	Citations
1	Adrenomedullin signaling is necessary for murine lymphatic vascular development. Journal of Clinical Investigation, 2008, 118, 40-50.	8.2	217
2	Neuropeptide CGRP Limits Group 2 Innate Lymphoid Cell Responses and Constrains Type 2 Inflammation. Immunity, 2019, 51, 682-695.e6.	14.3	192
3	Single-cell analysis of early progenitor cells that build coronary arteries. Nature, 2018, 559, 356-362.	27.8	190
4	Hydrops Fetalis, Cardiovascular Defects, and Embryonic Lethality in Mice Lacking the Calcitonin Receptor-Like Receptor Gene. Molecular and Cellular Biology, 2006, 26, 2511-2518.	2.3	119
5	Nociceptive nerves regulate haematopoietic stem cell mobilization. Nature, 2021, 589, 591-596.	27.8	99
6	Reduced maternal expression of adrenomedullin disrupts fertility, placentation, and fetal growth in mice. Journal of Clinical Investigation, 2006, 116, 2653-2662.	8.2	92
7	Adrenomedullin Induces Cardiac Lymphangiogenesis After Myocardial Infarction and Regulates Cardiac Edema Via Connexin 43. Circulation Research, 2019, 124, 101-113.	4.5	86
8	Receptor Activity-Modifying Proteins: RAMPing up Adrenomedullin Signaling. Molecular Endocrinology, 2007, 21, 783-796.	3.7	82
9	Decoy Receptor CXCR7 Modulates Adrenomedullin-Mediated Cardiac and Lymphatic Vascular Development. Developmental Cell, 2014, 30, 528-540.	7.0	77
10	G-protein-coupled receptor 30 interacts with receptor activity-modifying protein 3 and confers sex-dependent cardioprotection. Journal of Molecular Endocrinology, 2013, 51, 191-202.	2.5	65
11	Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 2020, 216, 905-930.	2.9	58
12	Lymphatic deletion of calcitonin receptorâ€“like receptor exacerbates intestinal inflammation. JCI Insight, 2017, 2, e92465.	5.0	56
13	Adrenomedullin stabilizes the lymphatic endothelial barrier in vitro and in vivo. Peptides, 2008, 29, 2243-2249.	2.4	55
14	Fetal-derived adrenomedullin mediates the innate immune milieu of the placenta. Journal of Clinical Investigation, 2013, 123, 2408-2420.	8.2	54
15	Blood and Lymphatic Vessel Formation. Cold Spring Harbor Perspectives in Biology, 2015, 7, a008268.	5.5	52
16	Characteristics of Multi-Organ Lymphangiectasia Resulting from Temporal Deletion of Calcitonin Receptor-Like Receptor in Adult Mice. PLoS ONE, 2012, 7, e45261.	2.5	44
17	Haploinsufficiency for Adrenomedullin Reduces Pinopodes and Diminishes Uterine Receptivity in Mice1. Biology of Reproduction, 2008, 79, 1169-1175.	2.7	42
18	Adrenomedullin and pregnancy: perspectives from animal models to humans. Trends in Endocrinology and Metabolism, 2012, 23, 524-532.	7.1	42

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19	E-Cigarette Exposure Delays Implantation and Causes Reduced Weight Gain in Female Offspring Exposed In Utero. Journal of the Endocrine Society, 2019, 3, 1907-1916.	0.2	38
20	RAMP3 determines rapid recycling of atypical chemokine receptor-3 for guided angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24093-24099.	7.1	38
21	Adrenomedullin Function in Vascular Endothelial Cells: Insights from Genetic Mouse Models. Current Hypertension Reviews, 2011, 7, 228-239.	0.9	36
22	Deficiency of RAMP1 Attenuates Antigen-Induced Airway Hyperresponsiveness in Mice. PLoS ONE, 2014, 9, e102356.	2.5	36
23	Research Resource: Haploinsufficiency of Receptor Activity-Modifying Protein-2 (Ramp2) Causes Reduced Fertility, Hyperprolactinemia, Skeletal Abnormalities, and Endocrine Dysfunction in Mice. Molecular Endocrinology, 2011, 25, 1244-1253.	3.7	34
24	Lymphatic mimicry in maternal endothelial cells promotes placental spiral artery remodeling. Journal of Clinical Investigation, 2019, 129, 4912-4921.	8.2	33
25	Schlemmâ€™s canal: more than meets the eye, lymphatics in disguise. Journal of Clinical Investigation, 2014, 124, 3701-3703.	8.2	33
26	Adrenomedullin gene dosage correlates with tumor and lymph node lymphangiogenesis. FASEB Journal, 2013, 27, 590-600.	0.5	32
27	The expanding repertoire of receptor activity modifying protein (RAMP) function. Critical Reviews in Biochemistry and Molecular Biology, 2016, 51, 65-71.	5.2	31
28	Pinopodes: Recent advancements, current perspectives, and future directions. Molecular and Cellular Endocrinology, 2020, 501, 110644.	3.2	31
29	Adrenomedullin improves fertility and promotes pinopodes and cell junctions in the peri-implantation endometriumâ€. Biology of Reproduction, 2017, 97, 466-477.	2.7	30
30	Dawn of a New RAMPage. Trends in Pharmacological Sciences, 2020, 41, 249-265.	8.7	30
31	G Proteinâ€“Coupled Receptors as Potential Drug Targets for Lymphangiogenesis and Lymphatic Vascular Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 650-656.	2.4	26
32	Epicardialâ€derived adrenomedullin drives cardiac hyperplasia during embryogenesis. Developmental Dynamics, 2014, 243, 243-256.	1.8	25
33	hCALCRL mutation causes autosomal recessive nonimmune hydrops fetalis with lymphatic dysplasia. Journal of Experimental Medicine, 2018, 215, 2339-2353.	8.5	25
34	Adrenomedullin and endocrine control of immune cells during pregnancy. Cellular and Molecular Immunology, 2014, 11, 456-459.	10.5	23
35	Adrenomedullin in lymphangiogenesis: from development to disease. Cellular and Molecular Life Sciences, 2015, 72, 3115-3126.	5.4	23
36	Notch signaling pathway is a potential therapeutic target for extracranial vascular malformations. Scientific Reports, 2018, 8, 17987.	3.3	23

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37	Small GTPase Rap1A/B Is Required for Lymphatic Development and Adrenomedullin-Induced Stabilization of Lymphatic Endothelial Junctions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2410-2422.	2.4	23
38	VE-Cadherin Is Required for Cardiac Lymphatic Maintenance and Signaling. Circulation Research, 2022, 130, 5-23.	4.5	23
39	Loss of receptor activity-modifying protein 3 exacerbates cardiac hypertrophy and transition to heart failure in a sex-dependent manner. Journal of Molecular and Cellular Cardiology, 2012, 52, 165-174.	1.9	22
40	Gap Junction Coupling Is Required for Tumor Cell Migration Through Lymphatic Endothelium. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1147-1155.	2.4	22
41	Lymphatic Vasculature: An Emerging Therapeutic Target and Drug Delivery Route. Annual Review of Medicine, 2021, 72, 167-182.	12.2	21
42	Uterine natural killer cells as modulators of the maternal-fetal vasculature. International Journal of Developmental Biology, 2014, 58, 199-204.	0.6	20
43	Understanding RAMPs Through Genetically Engineered Mouse Models. Advances in Experimental Medicine and Biology, 2012, 744, 49-60.	1.6	20
44	Orphan Gpr182 suppresses ERK-mediated intestinal proliferation during regeneration and adenoma formation. Journal of Clinical Investigation, 2017, 127, 593-607.	8.2	19
45	Lymphatic Function and Dysfunction in the Context of Sex Differences. ACS Pharmacology and Translational Science, 2019, 2, 311-324.	4.9	16
46	Adrenomedullin Signaling Pathway Polymorphisms and Adverse Pregnancy Outcomes. American Journal of Perinatology, 2014, 31, 327-334.	1.4	15
47	Lymphatic Programing and Specialization in Hybrid Vessels. Frontiers in Physiology, 2020, 11, 114.	2.8	14
48	Endothelial Restoration of Receptor Activityâ€“Modifying Protein 2 Is Sufficient to Rescue Lethality, but Survivors Develop Dilated Cardiomyopathy. Hypertension, 2016, 68, 667-677.	2.7	13
49	The Orphan G-Protein Coupled Receptor 182 Is a Negative Regulator of Definitive Hematopoiesis through Leukotriene B4 Signaling. ACS Pharmacology and Translational Science, 2020, 3, 676-689.	4.9	13
50	Adrenomedullin Is Necessary to Resolve Hyperoxia-Induced Experimental Bronchopulmonary Dysplasia and Pulmonary HypertensionÂin Mice. American Journal of Pathology, 2020, 190, 711-722.	3.8	13
51	Multiple roles of adrenomedullin revealed by animal models. Microscopy Research and Technique, 2002, 57, 55-59.	2.2	12
52	Loss of receptor activity-modifying protein 2 in mice causes placental dysfunction and alters PTH1R regulation. PLoS ONE, 2017, 12, e0181597.	2.5	11
53	Calcitonin-Receptor-Like Receptor Signaling Governs Intestinal Lymphatic Innervation and Lipid Uptake. ACS Pharmacology and Translational Science, 2019, 2, 114-121.	4.9	11
54	A murine model of increased coronary sinus pressure induces myocardial edema with cardiac lymphatic dilation and fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H895-H907.	3.2	11

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55	Elevated levels of adrenomedullin in eutopic endometrium and plasma from women with endometriosis. Fertility and Sterility, 2018, 109, 1072-1078.	1.0	10
56	Cohort of estrogen-induced microRNAs regulate adrenomedullin expression. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R209-R216.	1.8	9
57	Temporal and spatial expression of adrenomedullin and its receptors in the porcine uterus and peri-implantation conceptuses. Biology of Reproduction, 2021, 105, 876-891.	2.7	6
58	Orphan G-Protein Coupled Receptor GPRC5B Is Critical for Lymphatic Development. International Journal of Molecular Sciences, 2022, 23, 5712.	4.1	5
59	Genetic loss of proadrenomedullin N-terminal 20 peptide (PAMP) in mice is compatible with survival. Peptides, 2019, 112, 96-100.	2.4	2
60	Dermal Lymphatic Capillaries Do Not Obey Murray's Law. Frontiers in Cardiovascular Medicine, 2022, 9, 840305.	2.4	2
61	Deletion of atypical chemokine receptor 3 (ACKR3) increases immune cells at the fetal-maternal interface. Placenta, 2020, 95, 18-25.	1.5	1
62	Adrenomedullin: new inhibitory regulator for cortisol synthesis and secretion. Journal of Endocrinology, 2021, 251, 97-109.	2.6	1
63	Accelerated Development With Increased Bone Mass and Skeletal Response to Loading Suggest Receptor Activity Modifying Protein-3 as a Bone Anabolic Target. Frontiers in Endocrinology, 2021, 12, 807882.	3.5	1
64	Adrenomedullin in Female Reproduction and Pregnancy. , 2018, , 514-520.		0
65	Innovation and Discovery in Cardiovascular Biology. ACS Pharmacology and Translational Science, 2019, 2, 291-292.	4.9	0