Joann Trejo

List of Publications by Year in descending order

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110	6,365	47006 47	66911 78
papers	citations	h-index	g-index

113	113	113	6346
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Î±-Arrestin ARRDC3 Is an Emerging Multifunctional Adaptor Protein in Cancer. Antioxidants and Redox Signaling, 2022, 36, 1066-1079.	5.4	8
2	COVID-19 threatens faculty diversity: postdoctoral scholars call for action. Molecular Biology of the Cell, 2022, 33, vo1.	2.1	5
3	Phosphoproteomic analysis of thrombin- and p38 MAPK-regulated signaling networks in endothelial cells. Journal of Biological Chemistry, 2022, 298, 101801.	3.4	8
4	A system-wide health sciences faculty mentor training program is associated with improved effective mentoring and institutional climate. Journal of Clinical and Translational Science, 2022, 6, e18.	0.6	11
5	Identification of Deubiquitinases (DUBs) that modulate PAR1â€mediated p38 MAPK inflammatory signaling in endothelial cells. FASEB Journal, 2022, 36, .	0.5	0
6	Building a laboratory and networks during the COVID-19 pandemic. Trends in Biochemical Sciences, 2022, , .	7.5	2
7	Subcellular hot spots of GPCR signaling promote vascular inflammation. Current Opinion in Endocrine and Metabolic Research, 2021, 16, 37-42.	1.4	24
8	Î±-Arrestin ARRDC3 tumor suppressor function is linked to GPCR-induced TAZ activation and breast cancer metastasis. Journal of Cell Science, 2021, 134, .	2.0	22
9	Deubiquitinases as Regulators of Thrombinâ€induced p38 Inflammatory Response. FASEB Journal, 2021, 35, .	0.5	0
10	Heat shock protein 27 activity is linked to endothelial barrier recovery after proinflammatory GPCR-induced disruption. Science Signaling, 2021, 14, eabc1044.	3.6	23
11	Post-Translational Modifications of G Proteinâ€“Coupled Receptors Control Cellular Signaling Dynamics in Space and Time. Pharmacological Reviews, 2021, 73, 120-151.	16.0	86
12	aPC/PAR1 confers endothelial anti-apoptotic activity via a discrete, Î²-arrestin-2â€“mediated SphK1-S1PR1-Akt signaling axis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
13	Location-specific inhibition of Akt reveals regulation of mTORC1 activity in the nucleus. Nature Communications, 2020, 11, 6088.	12.8	23
14	GLUT1-mediated glycolysis supports GnRH-induced secretion of luteinizing hormone from female gonadotropes. Scientific Reports, 2020, 10, 13063.	3.3	7
15	The burden of service for faculty of color to achieve diversity and inclusion: the minority tax. Molecular Biology of the Cell, 2020, 31, 2752-2754.	2.1	45
16	Phosphoproteomic analysis of protease-activated receptor-1 biased signaling reveals unique modulators of endothelial barrier function. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5039-5048.	7.1	25
17	Signaling diversity enabled by Rap1-regulated plasma membrane ERK with distinct temporal dynamics. ELife, 2020, 9, .	6.0	32
18	aâ€arrestin ARRDC3 is a Multifunctional Adaptor That Regulates G Proteinâ€Coupled Receptor Signaling and Breast Cancer Invasion. FASEB Journal, 2020, 34, 1-1.	0.5	0

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19	Role of Proteaseâ€activated receptors in Activated protein Câ€mediated antiâ€inflammatory responses in endothelial cells. FASEB Journal, 2020, 34, 1-1.	0.5	0
20	An siRNA screen for endothelial PAR1â€specific deubiquitinases regulating p38 inflammatory signaling. FASEB Journal, 2020, 34, 1-1.	0.5	0
21	Faculty Equity, Diversity, Culture and Climate Change in Academic Medicine: A Longitudinal Study. Journal of the National Medical Association, 2019, 111, 46-53.	0.8	19
22	A modular laboratory course using planarians to study genes involved in tissue regeneration. Biochemistry and Molecular Biology Education, 2019, 47, 547-559.	1.2	6
23	G proteinâ€“coupled receptors activate p38 MAPK via a non-canonical TAB1â€“TAB2â€“ and TAB1â€“TAB3â€“dependent pathway in endothelial cells. Journal of Biological Chemistry, 2019, 294, 5867-5878.	3.4	33
24	Endoâ€lysosomal sorting of Gâ€proteinâ€coupled receptors by ubiquitin: Diverse pathways for Gâ€proteinâ€coupled receptor destruction and beyond. Traffic, 2019, 20, 101-109.	2.7	39
25	The unfolded protein response regulator ATF6 promotes mesodermal differentiation. Science Signaling, 2018, 11, .	3.6	54
26	The Î±-arrestin ARRDC3 suppresses breast carcinoma invasion by regulating G proteinâ€“coupled receptor lysosomal sorting and signaling. Journal of Biological Chemistry, 2018, 293, 3350-3362.	3.4	36
27	A Tyrosine Switch on NEDD4-2 E3 Ligase Transmits GPCR Inflammatory Signaling. Cell Reports, 2018, 24, 3312-3323.e5.	6.4	36
28	GPCRs in Cancer: Protease-Activated Receptors, Endocytic Adaptors and Signaling. International Journal of Molecular Sciences, 2018, 19, 1886.	4.1	69
29	Endothelial GPCRs Activate p38 MAPK Inflammatory Signaling Via Nonâ€canonical TAB1, 2 and 3â€dependent Pathways. FASEB Journal, 2018, 32, 555.12.	0.5	0
30	Activated Protein Câ€mediated Crosstalk Between PAR1 and S1PR1 in Endothelial Barrier Stabilization. FASEB Journal, 2018, 32, 685.1.	0.5	0
31	Tumor Suppressor Alphaâ€arrestin ARRDC3 Controls GPCR Signaling and Breast Cancer Invasion. FASEB Journal, 2018, 32, 566.14.	0.5	0
32	The Î±â€Arrestin ARRDC3 Suppresses Breast Carcinoma Invasion by Regulating GPCR Lysosomal Sorting and Signaling. FASEB Journal, 2018, 32, 695.13.	0.5	0
33	A reflection on faculty diversity in the 21st century. Molecular Biology of the Cell, 2017, 28, 2911-2914.	2.1	7
34	Protease-activated receptor-4 and purinergic receptor P2Y12 dimerize, co-internalize, and activate Akt signaling via endosomal recruitment of Î²-arrestin. Journal of Biological Chemistry, 2017, 292, 13867-13878.	3.4	36
35	Challenges and Opportunities in Protease-Activated Receptor Drug Development. Annual Review of Pharmacology and Toxicology, 2017, 57, 349-373.	9.4	50
36	ALIX Regulates the Ubiquitin-Independent Lysosomal Sorting of the P2Y1 Purinergic Receptor via a YPX3L Motif. PLoS ONE, 2016, 11, e0157587.	2.5	39

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37	Integration of endothelial protease-activated receptor-1 inflammatory signaling by ubiquitin. Current Opinion in Hematology, 2016, 23, 274-279.	2.5	27
38	Protease-activated Receptor-4 Signaling and Trafficking Is Regulated by the Clathrin Adaptor Protein Complex-2 Independent of Î²-Arrestins. Journal of Biological Chemistry, 2016, 291, 18453-18464.	3.4	25
39	Recycling and Endosomal Sorting of Protease-activated Receptor-1 Is Distinctly Regulated by Rab11A and Rab11B Proteins. Journal of Biological Chemistry, 2016, 291, 2223-2236.	3.4	26
40	Group B Streptococcal Infection and Activation of Human Astrocytes. PLoS ONE, 2015, 10, e0128431.	2.5	20
41	GPCR sorting at multivesicular endosomes. Methods in Cell Biology, 2015, 130, 319-332.	1.1	10
42	N-linked glycosylation of protease-activated receptor-1 at extracellular loop 2 regulates G-protein signaling bias. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3600-8.	7.1	50
43	Ubiquitin plays an atypical role in GPCR-induced p38 MAP kinase activation on endosomes. Journal of Cell Biology, 2015, 210, 1117-1131.	5.2	63
44	The Î±-arrestin ARRDC3 mediates ALIX ubiquitination and G proteinâ€“coupled receptor lysosomal sorting. Molecular Biology of the Cell, 2015, 26, 4660-4673.	2.1	67
45	Polo-like kinase 2 regulates angiogenic sprouting and blood vessel development. Developmental Biology, 2015, 404, 49-60.	2.0	14
46	Characterization of Thrombin-Bound Dabigatran Effects on Protease-Activated Receptor-1 Expression and Signaling In Vitro. Molecular Pharmacology, 2015, 88, 95-105.	2.3	23
47	A General Method for Site Specific Fluorescent Labeling of Recombinant Chemokines. PLoS ONE, 2014, 9, e81454.	2.5	21
48	Endosomal Signaling by Protease-Activated Receptors. Methods in Enzymology, 2014, 535, 389-401.	1.0	19
49	Regulation of Protease-activated Receptor 1 Signaling by the Adaptor Protein Complex 2 and R4 Subfamily of Regulator of G Protein Signaling Proteins. Journal of Biological Chemistry, 2014, 289, 1580-1591.	3.4	13
50	Atypical regulation of G protein-coupled receptor intracellular trafficking by ubiquitination. Current Opinion in Cell Biology, 2014, 27, 44-50.	5.4	19
51	Transactivation of the PAR1-PAR2 Heterodimer by Thrombin Elicits Î²-Arrestin-mediated Endosomal Signaling. Journal of Biological Chemistry, 2013, 288, 11203-11215.	3.4	74
52	The Chemokine Receptor CCR1 Is Constitutively Active, Which Leads to G Protein-independent, Î²-Arrestin-mediated Internalization. Journal of Biological Chemistry, 2013, 288, 32194-32210.	3.4	62
53	Ubiquitin-dependent regulation of G protein-coupled receptor trafficking and signaling. Cellular Signalling, 2013, 25, 707-716.	3.6	71
54	Cofactoring and Dimerization of Proteinase-Activated Receptors. Pharmacological Reviews, 2013, 65, 1198-1213.	16.0	79

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55	Palmitoylation of Protease-activated Receptor-1 Regulates Adaptor Protein Complex-2 and -3 Interaction with Tyrosine-based Motifs and Endocytic Sorting. Journal of Biological Chemistry, 2013, 288, 15900-15912.	3.4	19
56	PAR-1 contributes to the innate immune response during viral infection. Journal of Clinical Investigation, 2013, 123, 1310-1322.	8.2	128
57	ALIX binds a YPX3L motif of the GPCR PAR1 and mediates ubiquitin-independent ESCRT-III/MVB sorting. Journal of Cell Biology, 2012, 197, 407-419.	5.2	135
58	Allosteric Modulation of Protease-Activated Receptor Signaling. Mini-Reviews in Medicinal Chemistry, 2012, 12, 804-811.	2.4	19
59	AP-3 regulates PAR1 ubiquitin-independent MVB/lysosomal sorting via an ALIX-mediated pathway. Molecular Biology of the Cell, 2012, 23, 3612-3623.	2.1	51
60	Novel Roles for the E3 Ubiquitin Ligase Atrophin-interacting Protein 4 and Signal Transduction Adaptor Molecule 1 in G Protein-coupled Receptor Signaling. Journal of Biological Chemistry, 2012, 287, 9013-9027.	3.4	42
61	Ubiquitination of G Protein-Coupled Receptors: Functional Implications and Drug Discovery. Molecular Pharmacology, 2012, 82, 563-570.	2.3	46
62	Activated protein C promotes endothelial barrier protection through biased PAR1 signaling mediated by Î²â€arrestin and dishevelledâ€2 scaffolds. FASEB Journal, 2012, 26, 671.4.	0.5	0
63	Ubiquitination of proteaseâ€activated receptorâ€1 reveals a new mode of signal regulation. FASEB Journal, 2012, 26, 664.2.	0.5	0
64	Regulation of proteaseâ€activated receptorâ€4 signaling and trafficking. FASEB Journal, 2012, 26, 664.3.	0.5	0
65	Adaptor Protein Complexâ€2 and epsinâ€1 mediate Proteaseâ€activated Receptorâ€1 internalization via phosphorylationâ€and ubiquitinationâ€dependent sorting signals. FASEB Journal, 2012, 26, 664.1.	0.5	0
66	ALIX interacts with a YPX3L motif of Proteaseâ€Activated Receptor 1 and mediates MVB/Lysosomal sorting through an ESCRTâ€IIIâ€dependent pathway independent of ubiquitination. FASEB Journal, 2012, 26, 780.2.	0.5	0
67	Regulation of proteaseâ€activated receptor signaling by postâ€translational modifications. IUBMB Life, 2011, 63, 403-411.	3.4	14
68	Adaptor Protein Complex-2 (AP-2) and Epsin-1 Mediate Protease-activated Receptor-1 Internalization via Phosphorylation- and Ubiquitination-dependent Sorting Signals. Journal of Biological Chemistry, 2011, 286, 40760-40770.	3.4	66
69	Activated protein C promotes protease-activated receptor-1 cytoprotective signaling through Î²-arrestin and dishevelled-2 scaffolds. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1372-80.	7.1	133
70	Teasing a(PAR)t biasedâ€agonism: Proteaseâ€activated Receptorâ€1 at signaling crossroads in endothelial barrier function. FASEB Journal, 2011, 25, 1012.4.	0.5	0
71	Signal transduction by proteaseâ€activated receptors. British Journal of Pharmacology, 2010, 160, 191-203.	5.4	243
72	N-Linked Glycosylation of Protease-activated Receptor-1 Second Extracellular Loop. Journal of Biological Chemistry, 2010, 285, 18781-18793.	3.4	48

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73	RNA interference screen for RGS protein specificity at muscarinic and protease-activated receptors reveals bidirectional modulation of signaling. American Journal of Physiology - Cell Physiology, 2010, 299, C654-C664.	4.6	14
74	Dysregulation of G Protein-Coupled Receptor Signaling in Cancer. , 2010, , 83-98.		0
75	Phosphorylation of Protease-activated Receptor-2 Differentially Regulates Desensitization and Internalization. Journal of Biological Chemistry, 2009, 284, 34444-34457.	3.4	53
76	Thrombin Promotes Release of ATP from Lung Epithelial Cells through Coordinated Activation of Rho- and Ca2+-dependent Signaling Pathways. Journal of Biological Chemistry, 2009, 284, 20638-20648.	3.4	95
77	Caveolae are required for protease-selective signaling by protease-activated receptorâ€“1. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6393-6397.	7.1	122
78	Proteases Display Biased Agonism at Protease-Activated Receptors: Location matters!. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2009, 9, 87-96.	3.4	81
79	Regulation of Thrombin Receptor Signaling. , 2009, , 47-61.		0
80	Persistent transactivation of EGFR and ErbB2/HER2 by protease-activated receptor-1 promotes breast carcinoma cell invasion. Oncogene, 2008, 27, 4434-4445.	5.9	108
81	Intracellular delivery of an anionic antisense oligonucleotide via receptor-mediated endocytosis. Nucleic Acids Research, 2008, 36, 2764-2776.	14.5	114
82	G Proteinâ€“Coupled Receptor Sorting to Endosomes and Lysosomes. Annual Review of Pharmacology and Toxicology, 2008, 48, 601-629.	9.4	389
83	Protease-activated receptor signalling, endocytic sorting and dysregulation in cancer. Journal of Cell Science, 2007, 120, 921-928.	2.0	130
84	Ubiquitination differentially regulates clathrin-dependent internalization of protease-activated receptor-1. Journal of Cell Biology, 2007, 177, 905-916.	5.2	92
85	Arrestin-2 Interacts with the Ubiquitin-Protein Isopeptide Ligase Atrophin-interacting Protein 4 and Mediates Endosomal Sorting of the Chemokine Receptor CXCR4. Journal of Biological Chemistry, 2007, 282, 36971-36979.	3.4	174
86	Protease-activated receptor signaling: new roles and regulatory mechanisms. Current Opinion in Hematology, 2007, 14, 230-235.	2.5	91
87	Clathrinâ€Dependent Mechanisms of G Proteinâ€coupled Receptor Endocytosis. Traffic, 2007, 8, 462-470.	2.7	198
88	Protease-Activated Receptor-2 Is Essential for Factor VIIa and Xaâ€“Induced Signaling, Migration, and Invasion of Breast Cancer Cells. Cancer Research, 2006, 66, 307-314.	0.9	191
89	An Essential Role for SNX1 in Lysosomal Sorting of Protease-activated Receptor-1: Evidence for Retromer-, Hrs-, and Tsg101-independent Functions of Sorting Nexins. Molecular Biology of the Cell, 2006, 17, 1228-1238.	2.1	117
90	Dynamic Regulation of Mammalian Numb by G Protein-coupled Receptors and Protein Kinase C Activation: Structural Determinants of Numb Association with the Cortical Membrane. Molecular Biology of the Cell, 2006, 17, 4142-4155.	2.1	47

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91	Clathrin Adaptor AP2 Regulates Thrombin Receptor Constitutive Internalization and Endothelial Cell Resensitization. Molecular and Cellular Biology, 2006, 26, 3231-3242.	2.3	93
92	Cryptic messages: Is noncoagulant tissue factor reserved for cell signaling?. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14259-14260.	7.1	12
93	Multiple Independent Functions of Arrestins in the Regulation of Protease-Activated Receptor-2 Signaling and Trafficking. Molecular Pharmacology, 2005, 67, 78-87.	2.3	87
94	Internal PDZ Ligands: Novel Endocytic Recycling Motifs for G Protein-Coupled Receptors: TABLE 1. Molecular Pharmacology, 2005, 67, 1388-1390.	2.3	35
95	A requirement for membrane cholesterol in the Î²-arrestin- and clathrin-dependent endocytosis of LPA1 lysophosphatidic acid receptors. Journal of Cell Science, 2005, 118, 5291-5304.	2.0	50
96	Genetic evidence for a mammalian retromer complex containing sorting nexins 1 and 2. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15173-15177.	7.1	71
97	A Tyrosine-based Sorting Signal Regulates Intracellular Trafficking of Protease-activated Receptor-1. Journal of Biological Chemistry, 2004, 279, 21938-21947.	3.4	57
98	Persistent Signaling by Dysregulated Thrombin Receptor Trafficking Promotes Breast Carcinoma Cell Invasion. Molecular and Cellular Biology, 2004, 24, 1990-1999.	2.3	102
99	Termination of Protease-activated Receptor-1 Signaling by Î²-Arrestins Is Independent of Receptor Phosphorylation. Journal of Biological Chemistry, 2004, 279, 10020-10031.	3.4	67
100	A Role for Sorting Nexin 2 in Epidermal Growth Factor Receptor Down-regulation: Evidence for Distinct Functions of Sorting Nexin 1 and 2 in Protein Trafficking. Molecular Biology of the Cell, 2004, 15, 2143-2155.	2.1	111
101	Protease-Activated Receptors: New Concepts in Regulation of G Protein-Coupled Receptor Signaling and Trafficking. Journal of Pharmacology and Experimental Therapeutics, 2003, 307, 437-442.	2.5	107
102	Î²-Arrestins Regulate Protease-activated Receptor-1 Desensitization but Not Internalization or Down-regulation. Journal of Biological Chemistry, 2002, 277, 1292-1300.	3.4	195
103	Down-Regulation of Protease-activated Receptor-1 Is Regulated by Sorting Nexin 1. Molecular Biology of the Cell, 2002, 13, 1965-1976.	2.1	128
104	Protease-activated Receptor-1 Down-regulation. Journal of Biological Chemistry, 2000, 275, 31255-31265.	3.4	76
105	The Cytoplasmic Tails of Protease-activated Receptor-1 and Substance P Receptor Specify Sorting to Lysosomes versusRecycling. Journal of Biological Chemistry, 1999, 274, 2216-2224.	3.4	152
106	Termination of signaling by protease-activated receptor-1 is linked to lysosomal sorting. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13698-13702.	7.1	123
107	Human Ste20 homologue hPAK1 links GTPases to the JNK MAP kinase pathway. Current Biology, 1996, 6, 598-605.	3.9	251
108	Role of the Thrombin Receptor's Cytoplasmic Tail in Intracellular Trafficking. Journal of Biological Chemistry, 1996, 271, 32874-32880.	3.4	123

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109	The Cloned Thrombin Receptor Is Necessary and Sufficient for Activation of Mitogen-activated Protein Kinase and Mitogenesis in Mouse Lung Fibroblasts. Journal of Biological Chemistry, 1996, 271, 21536-21541.	3.4	114
110	Chapter 3 Multiple pathways for signal transduction through the muscarinic cholinergic receptor. Progress in Brain Research, 1990, 84, 21-29.	1.4	7