

Jonathan S Marchant

List of Publications by Year in descending order

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124
papers

5,058
citations

81743

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102304

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docs citations

130
times ranked

3964
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential requirement for two-pore channel 1 in NAADP-mediated calcium signaling. <i>Journal of Cell Biology</i> , 2009, 186, 201-209.	2.3	376
2	A continuum of InsP3-mediated elementary Ca ²⁺ -signalling events in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1998, 509, 67-80.	1.3	227
3	Role of elementary Ca ²⁺ puffs in generating repetitive Ca ²⁺ oscillations. <i>EMBO Journal</i> , 2001, 20, 65-76.	3.5	190
4	Activation and co-ordination of InsP3-mediated elementary Ca ²⁺ -events during global Ca ²⁺ -signals in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1998, 509, 81-91.	1.3	154
5	Cooperative activation of IP3 receptors by sequential binding of IP3 and Ca ²⁺ safeguards against spontaneous activity. <i>Current Biology</i> , 1997, 7, 510-518.	1.8	150
6	Photoaffinity Labeling of Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Targets in Mammalian Cells*. <i>Journal of Biological Chemistry</i> , 2012, 287, 2296-2307.	1.6	150
7	Dysregulation of lysosomal morphology by pathogenic LRRK2 is corrected by two-pore channel 2 inhibition. <i>Journal of Cell Science</i> , 2015, 128, 232-8.	1.2	148
8	Initiation of IP3-mediated Ca ²⁺ waves in <i>Xenopus</i> oocytes. <i>EMBO Journal</i> , 1999, 18, 5285-5299.	3.5	138
9	An Ancestral Deuterostome Family of Two-pore Channels Mediates Nicotinic Acid Adenine Dinucleotide Phosphate-dependent Calcium Release from Acidic Organelles. <i>Journal of Biological Chemistry</i> , 2010, 285, 2897-2901.	1.6	112
10	Photoaffinity Labeling of High Affinity Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)-Binding Proteins in Sea Urchin Egg. <i>Journal of Biological Chemistry</i> , 2012, 287, 2308-2315.	1.6	110
11	The Two-pore channel (TPC) interactome unmasks isoform-specific roles for TPCs in endolysosomal morphology and cell pigmentation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13087-13092.	3.3	109
12	Expression and functional contribution of hTHTR-2 in thiamin absorption in human intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, G491-G498.	1.6	104
13	A Novel Biological Activity of Praziquantel Requiring Voltage-Operated Ca ²⁺ Channel β Subunits: Subversion of Flatworm Regenerative Polarity. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e464.	1.3	101
14	NAADP-dependent Ca ²⁺ signaling regulates Middle East respiratory syndrome-coronavirus pseudovirus translocation through the endolysosomal system. <i>Cell Calcium</i> , 2018, 75, 30-41.	1.1	93
15	Multiphoton-evoked color change of DsRed as an optical highlighter for cellular and subcellular labeling. <i>Nature Biotechnology</i> , 2001, 19, 645-649.	9.4	92
16	Two-pore channels: Regulation by NAADP and customized roles in triggering calcium signals. <i>Cell Calcium</i> , 2010, 47, 480-490.	1.1	86
17	The anthelmintic drug praziquantel activates a schistosome transient receptor potential channel. <i>Journal of Biological Chemistry</i> , 2019, 294, 18873-18880.	1.6	81
18	Re-evaluation of the Role of Calcium Homeostasis Endoplasmic Reticulum Protein (CHERP) in Cellular Calcium Signaling. <i>Journal of Biological Chemistry</i> , 2013, 288, 355-367.	1.6	77

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19	Biotin-responsive basal ganglia disease-linked mutations inhibit thiamine transport via hTHTR2: biotin is not a substrate for hTHTR2. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C851-C859.	2.1	73
20	Disaccharide Polyphosphates Based upon Adenophostin A Activate Hepatic d-myo-Inositol 1,4,5-Trisphosphate Receptors. <i>Biochemistry</i> , 1997, 36, 12780-12790.	1.2	71
21	Essential requirement for JPT2 in NAADP-evoked Ca ²⁺ signaling. <i>Science Signaling</i> , 2021, 14, .	1.6	69
22	Rapid Activation and Partial Inactivation of Inositol Trisphosphate Receptors by Inositol Trisphosphate. <i>Biochemistry</i> , 1998, 37, 11524-11533.	1.2	67
23	The anthelmintic praziquantel is a human serotonergic G-protein-coupled receptor ligand. <i>Nature Communications</i> , 2017, 8, 1910.	5.8	66
24	A C-terminal Region Dictates the Apical Plasma Membrane Targeting of the Human Sodium-dependent Vitamin C Transporter-1 in Polarized Epithelia. <i>Journal of Biological Chemistry</i> , 2004, 279, 27719-27728.	1.6	64
25	The endo-lysosomal system as an NAADP-sensitive acidic Ca ²⁺ store: Role for the two-pore channels. <i>Cell Calcium</i> , 2011, 50, 157-167.	1.1	60
26	Cell Biology of the Human Thiamine Transporter-1 (hTHTR1). <i>Journal of Biological Chemistry</i> , 2003, 278, 3976-3984.	1.6	59
27	Ca ²⁺ channels and praziquantel: A view from the free world. <i>Parasitology International</i> , 2013, 62, 619-628.	0.6	55
28	Two-pore channels at the intersection of endolysosomal membrane traffic. <i>Biochemical Society Transactions</i> , 2015, 43, 434-441.	1.6	54
29	Timing in Cellular Ca ²⁺ Signaling. <i>Current Biology</i> , 2008, 18, R769-R776.	1.8	52
30	Differential expression of human riboflavin transporters -1, -2, and -3 in polarized epithelia: A key role for hRFT-2 in intestinal riboflavin uptake. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 3016-3021.	1.4	50
31	Dual Mechanisms of sHA 14-1 in Inducing Cell Death through Endoplasmic Reticulum and Mitochondria. <i>Molecular Pharmacology</i> , 2009, 76, 667-678.	1.0	47
32	Opposing Roles of Voltage-Gated Ca ²⁺ Channels in Neuronal Control of Regenerative Patterning. <i>Journal of Neuroscience</i> , 2011, 31, 15983-15995.	1.7	47
33	Nicotinic Acid Adenine Dinucleotide 2'-Phosphate (NAADP) Binding Proteins in T-Lymphocytes. <i>Messenger</i> (Los Angeles, Calif: Print), 2012, 1, 86-94.	0.3	47
34	The Journey to Discovering a Flatworm Target of Praziquantel: A Long TRP. <i>Trends in Parasitology</i> , 2020, 36, 182-194.	1.5	47
35	Mechanism of praziquantel action at a parasitic flatworm ion channel. <i>Science Translational Medicine</i> , 2021, 13, eabj5832.	5.8	47
36	Structural and functional relationships between Ca ²⁺ puffs and mitochondria in <i>Xenopus</i> oocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C1374-C1386.	2.1	46

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37	Apical membrane targeting and trafficking of the human proton-coupled transporter in polarized epithelia. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C233-C240.	2.1	46
38	Tumor necrosis factor alpha reduces intestinal vitamin C uptake: a role for NF- κ B-mediated signaling. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G241-G248.	1.6	46
39	Inhibition of intestinal ascorbic acid uptake by lipopolysaccharide is mediated via transcriptional mechanisms. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 556-565.	1.4	44
40	Laterality in a non-visual sensory modality – the lateral line of fish. <i>Current Biology</i> , 2005, 15, R241-R242.	1.8	43
41	N-Glycosylation is required for Na ⁺ -dependent vitamin C transporter functionality. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 123-127.	1.0	42
42	Genetic analysis of praziquantel response in schistosome parasites implicates a transient receptor potential channel. <i>Science Translational Medicine</i> , 2021, 13, eabj9114.	5.8	42
43	IP3 Receptor Activity Is Differentially Regulated in Endoplasmic Reticulum Subdomains during Oocyte Maturation. <i>Current Biology</i> , 2005, 15, 765-770.	1.8	41
44	Intracellular Trafficking and Membrane Targeting Mechanisms of the Human Reduced Folate Carrier in Mammalian Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 33325-33333.	1.6	40
45	“Death and Axes”: Unexpected Ca ²⁺ Entry Phenologs Predict New Anti-schistosomal Agents. <i>PLoS Pathogens</i> , 2014, 10, e1003942.	2.1	38
46	Polarized expression of members of the solute carrier SLC19A gene family of water-soluble multivitamin transporters: implications for physiological function. <i>Biochemical Journal</i> , 2003, 376, 43-48.	1.7	37
47	Targeting and Trafficking of the Human Thiamine Transporter-2 in Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 5233-5245.	1.6	37
48	Membrane targeting and intracellular trafficking of the human sodium-dependent multivitamin transporter in polarized epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C663-C671.	2.1	36
49	Rapid kinetic measurements of ⁴⁵ Ca ²⁺ mobilization reveal that Ins(2,4,5)P ₃ is a partial agonist at hepatic InsP ₃ receptors. <i>Biochemical Journal</i> , 1997, 321, 573-576.	1.7	35
50	Calcium-dependent Dephosphorylation Mediates the Hyperosmotic and Lysophosphatidic Acid-dependent Inhibition of Natriuretic Peptide Receptor-B/Guanylyl Cyclase-B. <i>Journal of Biological Chemistry</i> , 2004, 279, 48513-48519.	1.6	31
51	A Miniaturized Screen of a <i>Schistosoma mansoni</i> Serotonergic G Protein-Coupled Receptor Identifies Novel Classes of Parasite-Selective Inhibitors. <i>PLoS Pathogens</i> , 2016, 12, e1005651.	2.1	30
52	Tight junction targeting and intracellular trafficking of occludin in polarized epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 293, C1717-C1726.	2.1	29
53	Molecular Characterization of a Novel Intracellular ADP-Ribosyl Cyclase. <i>PLoS ONE</i> , 2007, 2, e797.	1.1	29
54	Questioning Regulation of Two-Pore Channels by NAADP. <i>Messenger</i> (Los Angeles, Calif: Print), 2013, 2, 113-119.	0.3	28

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55	Role of cysteine residues in cell surface expression of the human riboflavin transporter-2 (hRFT2) in intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, G100-G109.	1.6	27
56	Acyclophostin: A Ribose-Modified Analog of Adenophostin A with High Affinity for Inositol 1,4,5-Trisphosphate Receptors and pH-Dependent Efficacy. <i>Molecular Pharmacology</i> , 1999, 55, 109-117.	1.0	26
57	Kinetics of elementary Ca ²⁺ puffs evoked in <i>Xenopus</i> oocytes by different Ins(1,4,5)P ₃ receptor agonists. <i>Biochemical Journal</i> , 1998, 334, 505-509.	1.7	25
58	Modulation of Elementary Calcium Release Mediates a Transition from Puffs to Waves in an IP ₃ R Cluster Model. <i>PLoS Computational Biology</i> , 2015, 11, e1003965.	1.5	25
59	A screening campaign in sea urchin egg homogenate as a platform for discovering modulators of NAADP-dependent Ca ²⁺ signaling in human cells. <i>Cell Calcium</i> , 2018, 75, 42-52.	1.1	25
60	Vitamin B1 (thiamine) uptake by human retinal pigment epithelial (ARPE-19) cells: mechanism and regulation. <i>Journal of Physiology</i> , 2007, 582, 73-85.	1.3	24
61	Unique pharmacological properties of serotonergic G-protein coupled receptors from cestodes. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006267.	1.3	24
62	Intracellular trafficking/membrane targeting of human reduced folate carrier expressed in <i>Xenopus</i> oocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G1477-G1486.	1.6	22
63	The Molecular Basis for Ca ²⁺ Signaling by NAADP: Two-Pore Channels in a Complex?. <i>Messenger (Los Angeles, Calif: Print)</i> , 2012, 1, 63-76.	0.3	22
64	Mitochondrial Uptake of Thiamin Pyrophosphate: Physiological and Cell Biological Aspects. <i>PLoS ONE</i> , 2013, 8, e73503.	1.1	22
65	Mechanisms of SARS-CoV-2 neutralization by shark variable new antigen receptors elucidated through X-ray crystallography. <i>Nature Communications</i> , 2021, 12, 7325.	5.8	22
66	Enhanced Ca ²⁺ leak from ER Ca ²⁺ stores induced by hepatitis C NS5A protein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 593-599.	1.0	20
67	A Rapid Western Blotting Protocol for the <i>Xenopus</i> Oocyte. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072793.	0.2	20
68	Ergot Alkaloids (Re)generate New Leads as Antiparasitics. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004063.	1.3	20
69	Molecular mechanism(s) involved in differential expression of vitamin C transporters along the intestinal tract. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G340-G347.	1.6	20
70	Functional Interactions in Ca ²⁺ Signaling over Different Time and Distance Scales. <i>Journal of General Physiology</i> , 2000, 116, 691-696.	0.9	19
71	Pharmacological profiling an abundantly expressed schistosome serotonergic GPCR identifies nuciferine as a potent antagonist. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2016, 6, 364-370.	1.4	19
72	Activation of host transient receptor potential (TRP) channels by praziquantel stereoisomers. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006420.	1.3	19

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73	Xenopus tropicalis oocytes as an advantageous model system for the study of intracellular Ca ²⁺ signalling. British Journal of Pharmacology, 2001, 132, 1396-1410.	2.7	18
74	Nuclear pore disassembly from endoplasmic reticulum membranes promotes Ca ²⁺ signalling competency. Journal of Physiology, 2008, 586, 2873-2888.	1.3	17
75	Molecular determinants dictating cell surface expression of the human sodium-dependent vitamin C transporter-2 in human liver cells. American Journal of Physiology - Renal Physiology, 2010, 298, G267-G274.	1.6	17
76	Kinetic profiling an abundantly expressed planarian serotonergic GPCR identifies bromocriptine as a perdurant antagonist. International Journal for Parasitology: Drugs and Drug Resistance, 2016, 6, 356-363.	1.4	17
77	Utilizing the planarian voltage-gated ion channel transcriptome to resolve a role for a Ca ²⁺ channel in neuromuscular function and regeneration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1036-1045.	1.9	17
78	Inositol (1,4,5)-Trisphosphate Receptor Microarchitecture Shapes Ca ²⁺ Puff Kinetics. Biophysical Journal, 2011, 100, 822-831.	0.2	16
79	Molecular characterization of a novel cell surface ADP-ribosyl cyclase from the sea urchin. Cellular Signalling, 2008, 20, 2347-2355.	1.7	15
80	Pharmacological and Functional Genetic Assays to Manipulate Regeneration of the Planarian Dugesia japonica. Journal of Visualized Experiments, 2011, , .	0.2	15
81	TMEM33 regulates intracellular calcium homeostasis in renal tubular epithelial cells. Nature Communications, 2019, 10, 2024.	5.8	15
82	5-Azido-8-ethynyl-NAADP: A bifunctional, clickable photoaffinity probe for the identification of NAADP receptors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1180-1188.	1.9	15
83	Identification of novel modulators of a schistosome transient receptor potential channel targeted by praziquantel. PLoS Neglected Tropical Diseases, 2021, 15, e0009898.	1.3	15
84	NAADP-binding proteins find their identity. Trends in Biochemical Sciences, 2022, 47, 235-249.	3.7	15
85	Cellular Signalling: STIMulating Calcium Entry. Current Biology, 2005, 15, R493-R495.	1.8	14
86	Localization and socialization: Experimental insights into the functional architecture of IP3 receptors. Chaos, 2009, 19, 037103.	1.0	14
87	Inhibitory actions of GABA on rabbit urinary bladder muscle strips: mediation by potassium channels. British Journal of Pharmacology, 1995, 115, 81-83.	2.7	13
88	Improved "Optical Highlighter" Probes Derived from Discosoma Red Fluorescent Protein. Biophysical Journal, 2005, 88, 1444-1457.	0.2	12
89	The <i>Xenopus</i> Oocyte: A Single-Cell Model for Studying Ca ²⁺ Signaling. Cold Spring Harbor Protocols, 2013, 2013, pdb.top066308.	0.2	12
90	Dataset for a Dugesia japonica de novo transcriptome assembly, utilized for defining the voltage-gated like ion channel superfamily. Data in Brief, 2016, 9, 1044-1047.	0.5	12

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91	Coalescing beneficial host and deleterious antiparasitic actions as an antischistosomal strategy. <i>ELife</i> , 2018, 7, .	2.8	12
92	The inositol 1,4,5-trisphosphate receptor (Itp _r) gene family in <i>Xenopus</i> : identification of type 2 and type 3 inositol 1,4,5-trisphosphate receptor subtypes. <i>Biochemical Journal</i> , 2007, 404, 383-391.	1.7	11
93	Targeting and intracellular trafficking of clinically relevant hTHTR1 mutations in human cell lines. <i>Clinical Science</i> , 2007, 113, 93-102.	1.8	11
94	Structure-activity profiling of alkaloid natural product pharmacophores against a <i>Schistosoma</i> serotonin receptor. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 550-558.	1.4	11
95	Enteropathogenic <i>Escherichia coli</i> infection inhibits intestinal ascorbic acid uptake via dysregulation of its transporter expression. <i>Digestive Diseases and Sciences</i> , 2021, 66, 2250-2260.	1.1	11
96	Glyoxalate reductase/hydroxypyruvate reductase interacts with the sodium-dependent vitamin C transporter-1 to regulate cellular vitamin C homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, G1079-G1086.	1.6	10
97	Activation of endo-lysosomal two-pore channels by NAADP and PI(3,5)P ₂ . Five things to know. <i>Cell Calcium</i> , 2022, 103, 102543.	1.1	10
98	Ca ²⁺ Signaling and Regeneration. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035485.	2.3	8
99	MicroRNA-103a regulates sodium-dependent vitamin C transporter-1 expression in intestinal epithelial cells. <i>Journal of Nutritional Biochemistry</i> , 2019, 65, 46-53.	1.9	8
100	Enterotoxigenic <i>Escherichia coli</i> heat labile enterotoxin inhibits intestinal ascorbic acid uptake via a cAMP-dependent NF- κ B-mediated pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G55-G63.	1.6	8
101	The ins and outs of virus trafficking through acidic Ca ²⁺ stores. <i>Cell Calcium</i> , 2022, 102, 102528.	1.1	8
102	Nuclear Microinjection to Assess How Heterologously Expressed Proteins Impact Ca ²⁺ Signals in <i>Xenopus</i> Oocytes. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072785.	0.2	7
103	The synthesis and characterization of a clickable-photoactive NAADP analog active in human cells. <i>Cell Calcium</i> , 2019, 83, 102060.	1.1	7
104	Effect of Lipopolysaccharide and TNF α on Neuronal Ascorbic Acid Uptake. <i>Mediators of Inflammation</i> , 2021, 2021, 1-11.	1.4	7
105	Histone deacetylase inhibitors regulate vitamin C transporter functional expression in intestinal epithelial cells. <i>Journal of Nutritional Biochemistry</i> , 2021, 98, 108838.	1.9	7
106	Modulation of Function of Sodium-Dependent Vitamin C Transporter 1 (SVCT1) by Rab8a in Intestinal Epithelial Cells: Studies Utilizing Caco-2 Cells and Rab8a Knockout Mice. <i>Digestive Diseases and Sciences</i> , 2013, 58, 641-649.	1.1	6
107	TPC1 Knockout Knocks Out TPC1. <i>Molecular and Cellular Biology</i> , 2015, 35, 1882-1883.	1.1	5
108	Heterologous Protein Expression in the <i>Xenopus</i> Oocyte. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot096990.	0.2	5

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109	Calsyntenin-3 interacts with the sodium-dependent vitamin C transporter-2 to regulate vitamin C uptake. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 1178-1184.	3.6	5
110	Making Heads or Tails: Planarian Stem Cells in the Classroom. <i>Journal of Microbiology and Biology Education</i> , 2014, 15, 18-25.	0.5	4
111	Probing Ca ²⁺ release mechanisms using sea urchin egg homogenates. <i>Methods in Cell Biology</i> , 2019, 151, 445-458.	0.5	3
112	Chemo-enzymatic synthesis of adenine substituted nicotinic acid adenine dinucleotide phosphate (NAADP) analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 30, 115901.	1.4	3
113	Upregulation of Vitamin C Transporter Functional Expression in 5xFAD Mouse Intestine. <i>Nutrients</i> , 2021, 13, 617.	1.7	3
114	NAADP receptors: A one-two.. <i>Cell Calcium</i> , 2021, 100, 102478.	1.1	3
115	Characterization of a new type of neuronal 5-HT G- protein coupled receptor in the cestode nervous system. <i>PLoS ONE</i> , 2021, 16, e0259104.	1.1	3
116	Calcium Influx: Beyond "Current"™ <i>Biology</i> . <i>Current Biology</i> , 2006, 16, R548-R550.	1.8	2
117	The sigma 1 receptor: A local media influencer. <i>Cell Calcium</i> , 2021, 97, 102430.	1.1	2
118	Identification of a dihydropyridine scaffold that blocks ryanodine receptors. <i>IScience</i> , 2022, 25, 103706.	1.9	2
119	Characterization of a flatworm inositol (1,4,5) trisphosphate receptor (IP3R) reveals a role in reproductive physiology. <i>Cell Calcium</i> , 2013, 53, 307-314.	1.1	1
120	Teaching genetics: A genomic science bootcamp. <i>Biochemist</i> , 2007, 29, 36-37.	0.2	1
121	Cell biology of the human proton-coupled folate transporter (hPCFT) in renal epithelial MDCK cells. <i>FASEB Journal</i> , 2008, 22, 1156.2.	0.2	0
122	Psychoactive Drugs as a Route to Development of Novel Anti-parasitic Agents. <i>FASEB Journal</i> , 2017, 31, .	0.2	0
123	MicroRNA-103a plays a role in regulating human sodium-dependent vitamin C transporter (hSVCT1) in intestinal epithelial cells. <i>FASEB Journal</i> , 2019, 33, 826.2.	0.2	0
124	Inhibition of vitamin C transport impairs neuronal differentiation of hiPSCs. <i>FASEB Journal</i> , 2022, 36, .	0.2	0