Richard J Naftalin

List of Publications by Year
in descending order

45	1,067	430754 18	414303 32
papers	citations	h-index	g-index

213	213	213	1392
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms of glucose transport at the bloodâ€“brain barrier: an in vitro study. Brain Research, 2001, 904, 20-30.	1.1	140
2	Docking Studies Show That D-Glucose and Quercetin Slide through the Transporter GLUT1. Journal of Biological Chemistry, 2006, 281, 5797-5803.	1.6	93
3	Quercetinâ€“iron chelates are transported via glucose transporters. Free Radical Biology and Medicine, 2011, 50, 934-944.	1.3	66
4	Proton magnetic resonance study of the hydration of glucose. Nature, 1976, 261, 435-436.	13.7	58
5	Interactions of androgens, green tea catechins and the antiandrogen flutamide with the external glucose-binding site of the human erythrocyte glucose transporter GLUT1. British Journal of Pharmacology, 2003, 140, 487-499.	2.7	55
6	Galactose transport in rabbit ileum. Journal of Membrane Biology, 1974, 16, 257-278.	1.0	53
7	Ascorbate and ferritin interactions: Consequences for iron release in vitro and in vivo and implications for inflammation. Free Radical Biology and Medicine, 2019, 133, 75-87.	1.3	51
8	Interactions of ATP, oestradiol, genistein and the anti-oestrogens, faslodex (ICI 182780) and tamoxifen, with the human erythrocyte glucose transporter, GLUT1. Biochemical Journal, 2002, 365, 707-719.	1.7	48
9	Preeclampsia inactivates glucose-6-phosphate dehydrogenase and impairs the redox status of erythrocytes and fetal endothelial cells. Free Radical Biology and Medicine, 2007, 42, 1781-1790.	1.3	42
10	Osmotic Water Transport with Glucose in GLUT2 and SGLT. Biophysical Journal, 2008, 94, 3912-3923.	0.2	34
11	Understanding Conformational Dynamics of Complex Lipid Mixtures Relevant to Biology. Journal of Membrane Biology, 2018, 251, 609-631.	1.0	33
12	Quercetin is a substrate for the transmembrane oxidoreductase Dcytb. Free Radical Biology and Medicine, 2010, 48, 1366-1369.	1.3	29
13	Alternating Carrier Models of Asymmetric Glucose Transport Violate the Energy Conservation Laws. Biophysical Journal, 2008, 95, 4300-4314.	0.2	26
14	Comparison of effects of green tea catechins on apicomplexan hexose transporters and mammalian orthologues. Molecular and Biochemical Parasitology, 2009, 168, 113-116.	0.5	25
15	Role of vasopressin in rat distal colon function. Journal of Physiology, 2007, 578, 413-424.	1.3	21
16	Reassessment of Models of Facilitated Transport and Cotransport. Journal of Membrane Biology, 2010, 234, 75-112.	1.0	20
17	UVA irradiation increases ferrous iron release from human skin fibroblast and endothelial cell ferritin: Consequences for cell senescence and aging. Free Radical Biology and Medicine, 2020, 155, 49-57.	1.3	20
18	Lactose Permease H+-Lactose Symporter: Mechanical Switch or Brownian Ratchet?. Biophysical Journal, 2007, 92, 3474-3491.	0.2	19

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19	The relationship between sugar metabolism, transport and superoxide radical production in rat peritoneal macrophages. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1148, 39-50.	1.4	18
20	Hepatic arterial perfusion regulates portal venous flow between hepatic sinusoids and intrahepatic shunts in the normal rat liver in vitro. Pflugers Archiv European Journal of Physiology, 2001, 443, 257-264.	1.3	18
21	Evidence of amilorideâ€sensitive fluid absorption in rat descending colonic crypts from fluorescence recovery of FITCâ€labelled dextran after photobleaching. Journal of Physiology, 2001, 536, 541-553.	1.3	18
22	Labile iron potentiates ascorbate-dependent reduction and mobilization of ferritin iron. Free Radical Biology and Medicine, 2017, 108, 94-109.	1.3	18
23	Does apical membrane GLUT2 have a role in intestinal glucose uptake?. F1000Research, 2014, 3, 304.	0.8	16
24	Alterations in Colonic Barrier Function Caused By a Low Sodium Diet or Ionizing Radiation. Journal of Environmental Pathology, Toxicology and Oncology, 2004, 23, 79-98.	0.6	16
25	Piracetam and TRH analogues antagonise inhibition by barbiturates, diazepam, melatonin and galanin of human erythrocyte D -glucose transport. British Journal of Pharmacology, 2004, 142, 594-608.	2.7	14
26	Evidence for modulation of pericryptal sheath myofibroblasts in rat descending colon by Transforming Growth Factor Î² and Angiotensin II.. BMC Gastroenterology, 2002, 2, 4.	0.8	12
27	Implications of Aberrant Temperature-Sensitive Glucose Transport Via the Glucose Transporter Deficiency Mutant (GLUT1DS) T295M for the Alternate-Access and Fixed-Site Transport Models. Journal of Membrane Biology, 2013, 246, 495-511.	1.0	12
28	Aldosterone induces myofibroblast EGF secretion to regulate epithelial colonic permeability. American Journal of Physiology - Cell Physiology, 2013, 304, C918-C926.	2.1	12
29	Membrane Phase-Dependent Occlusion of Intramolecular GLUT1 Cavities Demonstrated by Simulations. Biophysical Journal, 2017, 112, 1176-1184.	0.2	12
30	Reptation-Induced Coalescence of Tunnels and Cavities in Escherichia Coli XylE Transporter Conformers Accounts for Facilitated Diffusion. Journal of Membrane Biology, 2014, 247, 1161-1179.	1.0	10
31	Hepatic arterial perfusion decreases intrahepatic shunting and maintains glucose uptake in the rat liver. Pflugers Archiv European Journal of Physiology, 2002, 444, 291-298.	1.3	9
32	Altered GLUT1 Substrate Selectivity in Human Erythropoiesis?. Cell, 2009, 137, 200-201.	13.5	8
33	A computer model simulating human glucose absorption and metabolism in health and metabolic disease states. F1000Research, 2016, 5, 647.	0.8	7
34	A critique of the alternating access transporter model of uniport glucose transport. Biophysics Reports, 2018, 4, 287-299.	0.2	7
35	Key Role of Aldosterone and Pericryptal Myofibroblast Growth in Colonic Permeability. Journal of Pediatric Gastroenterology and Nutrition, 2007, 45, S127-30.	0.9	5
36	Vasopressin regulation of epithelial colonic proliferation and permeability is mediated by pericryptal plateletâ€derived growth factor A. Experimental Physiology, 2014, 99, 1325-1334.	0.9	5

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37	Multiple Interactions of Glucose with the Extra-Membranous Loops of GLUT1 Aid Transport. Journal of Chemical Information and Modeling, 2021, 61, 3559-3570.	2.5	5
38	Targeting dexamethasone to macrophages. Drug Delivery, 1995, 2, 151-155.	2.5	3
39	Anal sex and AIDS. Nature, 1992, 360, 10-10.	13.7	2
40	Water cotransport in pigmented epithelial cells. Journal of Physiology, 2010, 588, 4063-4064.	1.3	2
41	Definitively, my cup of tea. Focus on â€œCaffeine inhibits glucose transport by binding at the GLUT1 nucleotide-binding siteâ€• American Journal of Physiology - Cell Physiology, 2015, 308, C825-C826.	2.1	2
42	Glucose Transport. , 2003, , 339-372.		2
43	Prevention of guanine nucleotide-induced reductions in muscarinic agonist binding to rabbit ileal submucosal membranes by lidamidine and tetracaine. Naunyn-Schmiedeberg's Archives of Pharmacology, 1988, 337, 366-72.	1.4	1
44	Red blood cell membranes: structure, function. clinical implications. Trends in Biochemical Sciences, 1991, 16, 78.	3.7	0
45	Intestinal incretin responses to increased GLUT2 expression â€“ Chacun Ã son goÃ»t. Journal of Physiology, 2012, 590, 2825-2826.	1.3	0