

Richard J Naftalin

List of Publications by Year in descending order

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45
papers

1,067
citations

430754

18
h-index

414303

32
g-index

213
all docs

213
docs citations

213
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Interactions of Glucose with the Extra-Membranous Loops of GLUT1 Aid Transport. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3559-3570.	2.5	5
2	UVA irradiation increases ferrous iron release from human skin fibroblast and endothelial cell ferritin: Consequences for cell senescence and aging. <i>Free Radical Biology and Medicine</i> , 2020, 155, 49-57.	1.3	20
3	Ascorbate and ferritin interactions: Consequences for iron release in vitro and in vivo and implications for inflammation. <i>Free Radical Biology and Medicine</i> , 2019, 133, 75-87.	1.3	51
4	A critique of the alternating access transporter model of uniport glucose transport. <i>Biophysics Reports</i> , 2018, 4, 287-299.	0.2	7
5	Understanding Conformational Dynamics of Complex Lipid Mixtures Relevant to Biology. <i>Journal of Membrane Biology</i> , 2018, 251, 609-631.	1.0	33
6	Labile iron potentiates ascorbate-dependent reduction and mobilization of ferritin iron. <i>Free Radical Biology and Medicine</i> , 2017, 108, 94-109.	1.3	18
7	Membrane Phase-Dependent Occlusion of Intramolecular GLUT1 Cavities Demonstrated by Simulations. <i>Biophysical Journal</i> , 2017, 112, 1176-1184.	0.2	12
8	A computer model simulating human glucose absorption and metabolism in health and metabolic disease states. <i>F1000Research</i> , 2016, 5, 647.	0.8	7
9	<i>Definitively, my cup of tea</i>. Focus on "Caffeine inhibits glucose transport by binding at the GLUT1 nucleotide-binding site". <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C825-C826.	2.1	2
10	Vasopressin regulation of epithelial colonic proliferation and permeability is mediated by pericryptal platelet-derived growth factor A. <i>Experimental Physiology</i> , 2014, 99, 1325-1334.	0.9	5
11	Reptation-Induced Coalescence of Tunnels and Cavities in Escherichia Coli Xyle Transporter Conformers Accounts for Facilitated Diffusion. <i>Journal of Membrane Biology</i> , 2014, 247, 1161-1179.	1.0	10
12	Does apical membrane GLUT2 have a role in intestinal glucose uptake?. <i>F1000Research</i> , 2014, 3, 304.	0.8	16
13	Implications of Aberrant Temperature-Sensitive Glucose Transport Via the Glucose Transporter Deficiency Mutant (GLUT1DS) T295M for the Alternate-Access and Fixed-Site Transport Models. <i>Journal of Membrane Biology</i> , 2013, 246, 495-511.	1.0	12
14	Aldosterone induces myofibroblast EGF secretion to regulate epithelial colonic permeability. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C918-C926.	2.1	12
15	Intestinal incretin responses to increased GLUT2 expression "Chacun Ã son go". <i>Journal of Physiology</i> , 2012, 590, 2825-2826.	1.3	0
16	Quercetin-iron chelates are transported via glucose transporters. <i>Free Radical Biology and Medicine</i> , 2011, 50, 934-944.	1.3	66
17	Reassessment of Models of Facilitated Transport and Cotransport. <i>Journal of Membrane Biology</i> , 2010, 234, 75-112.	1.0	20
18	Quercetin is a substrate for the transmembrane oxidoreductase Dcytb. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1366-1369.	1.3	29

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19	Water cotransport in pigmented epithelial cells. <i>Journal of Physiology</i> , 2010, 588, 4063-4064.	1.3	2
20	Comparison of effects of green tea catechins on apicomplexan hexose transporters and mammalian orthologues. <i>Molecular and Biochemical Parasitology</i> , 2009, 168, 113-116.	0.5	25
21	Altered GLUT1 Substrate Selectivity in Human Erythropoiesis?. <i>Cell</i> , 2009, 137, 200-201.	13.5	8
22	Osmotic Water Transport with Glucose in GLUT2 and SGLT. <i>Biophysical Journal</i> , 2008, 94, 3912-3923.	0.2	34
23	Alternating Carrier Models of Asymmetric Glucose Transport Violate the Energy Conservation Laws. <i>Biophysical Journal</i> , 2008, 95, 4300-4314.	0.2	26
24	Key Role of Aldosterone and Pericryptal Myofibroblast Growth in Colonic Permeability. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2007, 45, S127-30.	0.9	5
25	Lactose Permease H ⁺ -Lactose Symporter: Mechanical Switch or Brownian Ratchet?. <i>Biophysical Journal</i> , 2007, 92, 3474-3491.	0.2	19
26	Role of vasopressin in rat distal colon function. <i>Journal of Physiology</i> , 2007, 578, 413-424.	1.3	21
27	Preeclampsia inactivates glucose-6-phosphate dehydrogenase and impairs the redox status of erythrocytes and fetal endothelial cells. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1781-1790.	1.3	42
28	Docking Studies Show That D-Glucose and Quercetin Slide through the Transporter GLUT1. <i>Journal of Biological Chemistry</i> , 2006, 281, 5797-5803.	1.6	93
29	Piracetam and TRH analogues antagonise inhibition by barbiturates, diazepam, melatonin and galanin of human erythrocyte D -glucose transport. <i>British Journal of Pharmacology</i> , 2004, 142, 594-608.	2.7	14
30	Alterations in Colonic Barrier Function Caused By a Low Sodium Diet or Ionizing Radiation. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2004, 23, 79-98.	0.6	16
31	Interactions of androgens, green tea catechins and the antiandrogen flutamide with the external glucose-binding site of the human erythrocyte glucose transporter GLUT1. <i>British Journal of Pharmacology</i> , 2003, 140, 487-499.	2.7	55
32	Glucose Transport. , 2003, , 339-372.		2
33	Interactions of ATP, oestradiol, genistein and the anti-oestrogens, flutamide (ICI 182780) and tamoxifen, with the human erythrocyte glucose transporter, GLUT1. <i>Biochemical Journal</i> , 2002, 365, 707-719.	1.7	48
34	Hepatic arterial perfusion decreases intrahepatic shunting and maintains glucose uptake in the rat liver. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 444, 291-298.	1.3	9
35	Evidence for modulation of pericryptal sheath myofibroblasts in rat descending colon by Transforming Growth Factor β^2 and Angiotensin II. <i>BMC Gastroenterology</i> , 2002, 2, 4.	0.8	12
36	Hepatic arterial perfusion regulates portal venous flow between hepatic sinusoids and intrahepatic shunts in the normal rat liver in vitro. <i>Pflügers Archiv European Journal of Physiology</i> , 2001, 443, 257-264.	1.3	18

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37	Evidence of amiloride-sensitive fluid absorption in rat descending colonic crypts from fluorescence recovery of FITC-labelled dextran after photobleaching. <i>Journal of Physiology</i> , 2001, 536, 541-553.	1.3	18
38	Mechanisms of glucose transport at the blood-brain barrier: an in vitro study. <i>Brain Research</i> , 2001, 904, 20-30.	1.1	140
39	Targeting dexamethasone to macrophages. <i>Drug Delivery</i> , 1995, 2, 151-155.	2.5	3
40	The relationship between sugar metabolism, transport and superoxide radical production in rat peritoneal macrophages. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1148, 39-50.	1.4	18
41	Anal sex and AIDS. <i>Nature</i> , 1992, 360, 10-10.	13.7	2
42	Red blood cell membranes: structure, function. clinical implications. <i>Trends in Biochemical Sciences</i> , 1991, 16, 78.	3.7	0
43	Prevention of guanine nucleotide-induced reductions in muscarinic agonist binding to rabbit ileal submucosal membranes by lidamide and tetracaine. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1988, 337, 366-72.	1.4	1
44	Proton magnetic resonance study of the hydration of glucose. <i>Nature</i> , 1976, 261, 435-436.	13.7	58
45	Galactose transport in rabbit ileum. <i>Journal of Membrane Biology</i> , 1974, 16, 257-278.	1.0	53