

Edward V Quadros

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,318
citations

218677

26
h-index

223800

46
g-index

65
all docs

65
docs citations

65
times ranked

1944
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoantibodies to Folate Receptors in the Cerebral Folate Deficiency Syndrome. <i>New England Journal of Medicine</i> , 2005, 352, 1985-1991.	27.0	239
2	Autoantibodies against Folate Receptors in Women with a Pregnancy Complicated by a Neural-Tube Defect. <i>New England Journal of Medicine</i> , 2004, 350, 134-142.	27.0	202
3	Advances in the understanding of cobalamin assimilation and metabolism. <i>British Journal of Haematology</i> , 2010, 148, 195-204.	2.5	158
4	The protein and the gene encoding the receptor for the cellular uptake of transcobalamin-bound cobalamin. <i>Blood</i> , 2009, 113, 186-192.	1.4	134
5	A milk-free diet downregulates folate receptor autoimmunity in cerebral folate deficiency syndrome. <i>Developmental Medicine and Child Neurology</i> , 2008, 50, 346-352.	2.1	84
6	Cellular uptake of cobalamin: Transcobalamin and the TCbIR/CD320 receptor. <i>Biochimie</i> , 2013, 95, 1008-1018.	2.6	73
7	The metabolic basis for developmental disorders due to defective folate transport. <i>Biochimie</i> , 2016, 126, 31-42.	2.6	73
8	Synthesis of Cobalamin-Biotin Conjugates That Vary in the Position of Cobalamin Coupling. Evaluation of Cobalamin Derivative Binding to Transcobalamin II. <i>Bioconjugate Chemistry</i> , 1996, 7, 217-232.	3.6	70
9	Clinical recognition and aspects of the cerebral folate deficiency syndromes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 497-511.	2.3	62
10	Positive newborn screen for methylmalonic aciduria identifies the first mutation in TCbIR/CD320, the gene for cellular uptake of transcobalamin-bound vitamin B12. <i>Human Mutation</i> , 2010, 31, 924-929.	2.5	61
11	Folate metabolism abnormalities in autism: potential biomarkers. <i>Biomarkers in Medicine</i> , 2017, 11, 687-699.	1.4	60
12	Vitamin B12 deficiency in the brain leads to DNA hypomethylation in the TCbIR/CD320 knockout mouse. <i>Nutrition and Metabolism</i> , 2012, 9, 41.	3.0	48
13	Identification of a 4-base deletion in the gene in inherited intrinsic factor deficiency. <i>Blood</i> , 2004, 103, 1515-1517.	1.4	43
14	The diagnostic utility of folate receptor autoantibodies in blood. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 545-54.	2.3	42
15	The binding properties of the human receptor for the cellular uptake of vitamin B12. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 1006-1010.	2.1	41
16	The transcobalamin receptor knockout mouse: a model for vitamin B ₁₂ deficiency in the central nervous system. <i>FASEB Journal</i> , 2013, 27, 2468-2475.	0.5	37
17	Lack of Association between Folate-Receptor Autoantibodies and Neural-Tube Defects. <i>New England Journal of Medicine</i> , 2009, 361, 152-160.	27.0	36
18	Transcobalamin II synthesized in the intestinal villi facilitates transfer of cobalamin to the portal blood. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, G161-G166.	3.4	35

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19	Exposure to Folate Receptor Alpha Antibodies during Gestation and Weaning Leads to Severe Behavioral Deficits in Rats: A Pilot Study. PLoS ONE, 2016, 11, e0152249.	2.5	35
20	N ^ε -homocysteinylated tau and MAP1 is increased in autopsy specimens of Alzheimer's disease and vascular dementia. Journal of Pathology, 2019, 248, 291-303.	4.5	35
21	Environmental influence on the worldwide prevalence of a 776C->G variant in the transcobalamin gene (TCN2). Journal of Medical Genetics, 2007, 44, 363-367.	3.2	33
22	Folate deficiency in rat pups during weaning causes learning and memory deficits. British Journal of Nutrition, 2014, 112, 1323-1332.	2.3	33
23	A genetic polymorphism in the coding region of the gastric intrinsic factor gene (GIF) is associated with congenital intrinsic factor deficiency. Human Mutation, 2004, 23, 85-91.	2.5	31
24	Antibodies to Transcobalamin II Block In Vitro Proliferation of Leukemic Cells. Blood, 1997, 89, 235-242.	1.4	28
25	Congenital Transcobalamin II Deficiency Due to Errors in RNA Editing. Blood Cells, Molecules, and Diseases, 2002, 28, 134-142.	1.4	28
26	Folate receptor autoantibodies are prevalent in children diagnosed with autism spectrum disorder, their normal siblings and parents. Autism Research, 2018, 11, 707-712.	3.8	28
27	Transcobalamin deficiency due to activation of an intra exonic cryptic splice site. British Journal of Haematology, 2003, 123, 915-920.	2.5	27
28	Characterization of a monoclonal antibody with specificity for holo-transcobalamin. Nutrition and Metabolism, 2006, 3, 3.	3.0	27
29	Inherited disorders of cobalamin metabolism disrupt nucleocytoplasmic transport of mRNA through impaired methylation/phosphorylation of ELAVL1/HuR. Nucleic Acids Research, 2018, 46, 7844-7857.	14.5	27
30	Association between blocking folate receptor autoantibodies and subfertility. Fertility and Sterility, 2009, 91, 1518-1521.	1.0	26
31	Neuropathology of vitamin B ₁₂ deficiency in the <i>Cd320^Δ</i> mouse. FASEB Journal, 2019, 33, 2563-2573.	0.5	26
32	Characterization of Monoclonal Antibodies to Epitopes of Human Transcobalamin II. Biochemical and Biophysical Research Communications, 1996, 222, 149-154.	2.1	24
33	The dynamics of cobalamin utilization in L-1210 mouse leukemia cells: a model of cellular cobalamin metabolism. Biochimica Et Biophysica Acta - General Subjects, 1995, 1244, 395-403.	2.4	23
34	Maternofetal transport of vitamin B ₁₂ : role of TCbIR/CD320 and megalin. FASEB Journal, 2017, 31, 3098-3106.	0.5	20
35	Treatment of Folate Metabolism Abnormalities in Autism Spectrum Disorder. Seminars in Pediatric Neurology, 2020, 35, 100835.	2.0	20
36	4 Transcobalamin II and the membrane receptor for the transcobalamin II-cobalamin complex. Best Practice and Research: Clinical Haematology, 1995, 8, 499-514.	1.1	19

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37	Juvenile cobalamin deficiency in individuals of African ancestry is caused by a founder mutation in the intrinsic factor gene <i>IFITM3</i> . <i>British Journal of Haematology</i> , 2009, 144, 622-624.	2.5	19
38	Down-regulation of transcobalamin receptor TCbLR/CD320 by siRNA inhibits cobalamin uptake and proliferation of cells in culture. <i>Experimental Cell Research</i> , 2011, 317, 1603-1607.	2.6	19
39	Behavioral alterations are associated with vitamin B12 deficiency in the transcobalamin receptor/CD320 KO mouse. <i>PLoS ONE</i> , 2017, 12, e0177156.	2.5	19
40	Folate Receptor Alpha Autoantibodies in Autism Spectrum Disorders: Diagnosis, Treatment and Prevention. <i>Journal of Personalized Medicine</i> , 2021, 11, 710.	2.5	19
41	Improving Outcome in Infantile Autism with Folate Receptor Autoimmunity and Nutritional Derangements: A Self-Controlled Trial. <i>Autism Research & Treatment</i> , 2019, 2019, 1-12.	0.5	18
42	Cellular uptake of vitamin B12: Role and fate of TCbLR/CD320, the transcobalamin receptor. <i>Experimental Cell Research</i> , 2020, 396, 112256.	2.6	18
43	Targeted Delivery of Saporin Toxin by Monoclonal Antibody to the Transcobalamin Receptor, TCbLR/CD320. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 3033-3040.	4.1	17
44	Characterization of the promoter region of TCbLR/CD320 gene, the receptor for cellular uptake of transcobalamin-bound cobalamin. <i>Gene</i> , 2010, 466, 49-55.	2.2	17
45	Oxidative Stress, Folate Receptor Autoimmunity, and CSF Findings in Severe Infantile Autism. <i>Autism Research & Treatment</i> , 2020, 2020, 1-14.	0.5	17
46	Mapping the functional domains of TCbLR/CD320, the receptor for cellular uptake of transcobalamin-bound cobalamin. <i>FASEB Journal</i> , 2013, 27, 2988-2994.	0.5	16
47	Folate receptor autoantibodies in pregnancy related complications. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2015, 103, 1028-1030.	1.6	16
48	Folinic acid improves the score of Autism in the EFFET placebo-controlled randomized trial. <i>Biochimie</i> , 2020, 173, 57-61.	2.6	16
49	Mapping the functional domains of human transcobalamin using monoclonal antibodies. <i>FEBS Journal</i> , 2005, 272, 3887-3898.	4.7	15
50	Characterizing monoclonal antibodies to antigenic domains of TCbLR/CD320, the receptor for cellular uptake of transcobalamin-bound cobalamin. <i>Drug Delivery</i> , 2011, 18, 74-78.	5.7	14
51	High Milk Consumers Have an Increased Risk of Folate Receptor Blocking Autoantibody Production but This Does Not Affect Folate Status in Spanish Men and Women. <i>Journal of Nutrition</i> , 2009, 139, 1037-1041.	2.9	13
52	Soluble transcobalamin receptor, sCD320, is present in human serum and relates to serum cobalamin – establishment and validation of an ELISA. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 515-9.	2.3	11
53	Progressive Encephalopathy in a Child with Cerebral Folate Deficiency Syndrome. <i>Journal of Child Neurology</i> , 2008, 23, 1460-1463.	1.4	10
54	Transcellular transport of cobalamin in aortic endothelial cells. <i>FASEB Journal</i> , 2018, 32, 5506-5519.	0.5	10

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55	The role of folate receptor autoantibodies in preterm birth. <i>Nutrition</i> , 2015, 31, 1224-1227.	2.4	9
56	Saporin Conjugated Monoclonal Antibody to the Transcobalamin Receptor TCbIR/CD320 Is Effective in Targeting and Destroying Cancer Cells. <i>Journal of Cancer Therapy</i> , 2013, 04, 1074-1081.	0.4	9
57	Glucocorticoid Receptor Activation Restores Learning Memory by Modulating Hippocampal Plasticity in a Mouse Model of Brain Vitamin B12 Deficiency. <i>Molecular Neurobiology</i> , 2021, 58, 1024-1035.	4.0	7
58	Quantitative methods for measurement of transcobalamin II. <i>Methods in Enzymology</i> , 1997, 281, 261-268.	1.0	6
59	Absorption and Tissue Distribution of Folate Forms in Rats: Indications for Specific Folate Form Supplementation during Pregnancy. <i>Nutrients</i> , 2022, 14, 2397.	4.1	5
60	Behavioral profile of vitamin B12 deficiency: A reflection of impaired brain development, neuronal stress and altered neuroplasticity. <i>Vitamins and Hormones</i> , 2022, 119, 377-404.	1.7	3
61	Molecular methods for analysis and expression of transcobalamin II. <i>Methods in Enzymology</i> , 1997, 281, 269-281.	1.0	2
62	Acetoacetate inhibits proliferation and ATP production in human cancer lines that overexpress uncoupling protein 2 (UCP2). <i>FASEB Journal</i> , 2008, 22, 598-598.	0.5	0
63	Generation of nanobodies targeting the human, transcobalamin-mediated vitamin B ₁₂ uptake route. <i>FASEB Journal</i> , 2022, 36, e22222.	0.5	0