

Elizabeth M Rhea

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,436
citations

516710

16
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

2072
citing authors

#	ARTICLE	IF	CITATIONS
1	The S1 protein of SARS-CoV-2 crosses the blood-brain barrier in mice. <i>Nature Neuroscience</i> , 2021, 24, 368-378.	14.8	295
2	Gut reactions: How the blood-brain barrier connects the microbiome and the brain. <i>Experimental Biology and Medicine</i> , 2018, 243, 159-165.	2.4	161
3	Role of the Blood-Brain Barrier in Central Nervous System Insulin Resistance. <i>Frontiers in Neuroscience</i> , 2019, 13, 521.	2.8	159
4	Healthy aging and the blood-brain barrier. <i>Nature Aging</i> , 2021, 1, 243-254.	11.6	116
5	Interactions of SARS-CoV-2 with the Blood-Brain Barrier. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2681.	4.1	99
6	Blood-Brain Barriers in Obesity. <i>AAPS Journal</i> , 2017, 19, 921-930.	4.4	95
7	Insulin transport across the blood-brain barrier can occur independently of the insulin receptor. <i>Journal of Physiology</i> , 2018, 596, 4753-4765.	2.9	94
8	Ghrelin transport across the blood-brain barrier can occur independently of the growth hormone secretagogue receptor. <i>Molecular Metabolism</i> , 2018, 18, 88-96.	6.5	59
9	Brain uptake pharmacokinetics of incretin receptor agonists showing promise as Alzheimer's and Parkinson's disease therapeutics. <i>Biochemical Pharmacology</i> , 2020, 180, 114187.	4.4	57
10	Insulin resistance, dyslipidemia, and apolipoprotein E interactions as mechanisms in cognitive impairment and Alzheimer's disease. <i>Experimental Biology and Medicine</i> , 2016, 241, 1676-1683.	2.4	34
11	Interactions of Lipids, Lipoproteins, and Apolipoproteins with the Blood-Brain Barrier. <i>Pharmaceutical Research</i> , 2021, 38, 1469-1475.	3.5	34
12	ApoE and cerebral insulin: Trafficking, receptors, and resistance. <i>Neurobiology of Disease</i> , 2020, 137, 104755.	4.4	32
13	Routes for the delivery of insulin to the central nervous system: A comparative review. <i>Experimental Neurology</i> , 2019, 313, 10-15.	4.1	29
14	The Blood-Brain Barrier, Oxidative Stress, and Insulin Resistance. <i>Antioxidants</i> , 2021, 10, 1695.	5.1	28
15	A historical perspective on the interactions of insulin at the blood-brain barrier. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12929.	2.6	18
16	Insulin Resistance in Peripheral Tissues and the Brain: A Tale of Two Sites. <i>Biomedicines</i> , 2022, 10, 1582.	3.2	18
17	Intranasal Insulin Transport is Preserved in Aged SAMP8 Mice and is Altered by Albumin and Insulin Receptor Inhibition. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 241-252.	2.6	17
18	Intracellular ascorbate tightens the endothelial permeability barrier through Epac1 and the tubulin cytoskeleton. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 311, C652-C662.	4.6	16

#	ARTICLE	IF	CITATIONS
19	The SAMP8 mouse for investigating memory and the role of insulin in the brain. <i>Experimental Gerontology</i> , 2017, 94, 64-68.	2.8	15
20	Molecular Mechanisms of Intranasal Insulin in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2019, 71, 1361-1373.	2.6	12
21	Insulin BBB pharmacokinetics in young apoE male and female transgenic mice. <i>PLoS ONE</i> , 2020, 15, e0228455.	2.5	10
22	Effects of apolipoprotein E isoform, sex, and diet on insulin BBB pharmacokinetics in mice. <i>Scientific Reports</i> , 2021, 11, 18636.	3.3	8
23	Insulin blood-brain barrier transport and interactions are greater following exercise in mice. <i>Journal of Applied Physiology</i> , 2022, 132, 824-834.	2.5	8
24	Intranasal Delivery: Effects on the Neuroimmune Axes and Treatment of Neuroinflammation. <i>Pharmaceutics</i> , 2020, 12, 1120.	4.5	7
25	Effect of controlled cortical impact on the passage of pituitary adenylate cyclase activating polypeptide (PACAP) across the blood-brain barrier. <i>Peptides</i> , 2018, 99, 8-13.	2.4	6
26	The impact of acute rosiglitazone on insulin pharmacokinetics at the blood-brain barrier. <i>Endocrinology, Diabetes and Metabolism</i> , 2020, 3, e00149.	2.4	6
27	Effects of Rapamycin on Insulin Brain Endothelial Cell Binding and Blood-brain Barrier Transport. <i>Medical Sciences (Basel, Switzerland)</i> , 2021, 9, 56.	2.9	3