Jack T Rogers

List of Publications by Year
in descending order

81	6,190	71102 41	71685 76
papers	citations	h-index	g-index

93	93	93	7417
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iron-Export Ferroxidase Activity of Î²-Amyloid Precursor Protein Is Inhibited by Zinc in Alzheimer's Disease. Cell, 2010, 142, 857-867.	28.9	597
2	An Iron-responsive Element Type II in the 5â€²-Untranslated Region of the Alzheimer's Amyloid Precursor Protein Transcript. Journal of Biological Chemistry, 2002, 277, 45518-45528.	3.4	474
3	Redoxâ€Active Metals, Oxidative Stress, and Alzheimer's Disease Pathology. Annals of the New York Academy of Sciences, 2004, 1012, 153-163.	3.8	381
4	N-Methyl D-Aspartate (NMDA) Receptor Antagonists and Memantine Treatment for Alzheimerâ€™s Disease, Vascular Dementia and Parkinsonâ€™s Disease. Current Alzheimer Research, 2012, 9, 746-758.	1.4	277
5	Iron-dependent regulation of the divalent metal ion transporter. FEBS Letters, 2001, 509, 309-316.	2.8	269
6	Translation of the Alzheimer Amyloid Precursor Protein mRNA Is Up-regulated by Interleukin-1 through 5â€²-Untranslated Region Sequences. Journal of Biological Chemistry, 1999, 274, 6421-6431.	3.4	256
7	Iron-regulatory proteins, iron-responsive elements and ferritin mRNA translation. International Journal of Biochemistry and Cell Biology, 1999, 31, 1139-1152.	2.8	198
8	Interleukin (IL) 1Î² Induction of IL-6 Is Mediated by a Novel Phosphatidylinositol 3-Kinase-dependent AKT/IÎºB Kinase Î± Pathway Targeting Activator Protein-1. Journal of Biological Chemistry, 2008, 283, 25900-25912.	3.4	189
9	MicroRNAs can regulate human APP levels. Molecular Neurodegeneration, 2008, 3, 10.	10.8	164
10	Metal and Inflammatory Targets for Alzheimers Disease. Current Drug Targets, 2004, 5, 535-551.	2.1	152
11	Selective Translational Control of the Alzheimer Amyloid Precursor Protein Transcript by Iron Regulatory Protein-1. Journal of Biological Chemistry, 2010, 285, 31217-31232.	3.4	144
12	Brain Iron Metabolism Dysfunction in Parkinsonâ€™s Disease. Molecular Neurobiology, 2017, 54, 3078-3101.	4.0	138
13	Preliminary studies of a novel bifunctional metal chelator targeting Alzheimer's amyloidogenesis. Experimental Gerontology, 2004, 39, 1641-1649.	2.8	131
14	Iron and the translation of the amyloid precursor protein (APP) and ferritin mRNAs: riboregulation against neural oxidative damage in Alzheimer's disease. Biochemical Society Transactions, 2008, 36, 1282-1287.	3.4	123
15	Metal exposure and Alzheimerâ€™s pathogenesis. Journal of Structural Biology, 2006, 155, 45-51.	2.8	121
16	Thyroid Hormone Modulates the Interaction between Iron Regulatory Proteins and the Ferritin mRNA Iron-responsive Element. Journal of Biological Chemistry, 1996, 271, 12017-12023.	3.4	118
17	Parkinson's Disease Iron Deposition Caused by Nitric Oxide-Induced Loss of Î²-Amyloid Precursor Protein. Journal of Neuroscience, 2015, 35, 3591-3597.	3.6	109
18	Perturbed Iron Distribution in Alzheimer's Disease Serum, Cerebrospinal Fluid, and Selected Brain Regions: A Systematic Review and Meta-Analysis. Journal of Alzheimer's Disease, 2014, 42, 679-690.	2.6	108

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19	High-resolution analytical imaging and electron holography of magnetite particles in amyloid cores of Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 24873.	3.3	103
20	Novel upregulation of amyloid-Î² precursor protein (APP) by microRNA-346 via targeting of APP mRNA 5â€²-untranslated region: Implications in Alzheimerâ€™s disease. Molecular Psychiatry, 2019, 24, 345-363.	7.9	103
21	A review of independent component analysis application to microarray gene expression data. BioTechniques, 2008, 45, 501-520.	1.8	92
22	New Therapeutic Strategies and Drug Candidates for Neurodegenerative Diseases: p53 and TNF-Â Inhibitors, and GLP-1 Receptor Agonists. Annals of the New York Academy of Sciences, 2004, 1035, 290-315.	3.8	91
23	Amyloid precursor protein and alpha synuclein translation, implications for iron and inflammation in neurodegenerative diseases. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 615-628.	2.4	87
24	Hypoxia Alters Iron-regulatory Protein-1 Binding Capacity and Modulates Cellular Iron Homeostasis in Human Hepatoma and Erythroleukemia Cells. Journal of Biological Chemistry, 1999, 274, 4467-4473.	3.4	83
25	Physiological and Pathological Role of Alpha-synuclein in Parkinsonâ€™s Disease Through Iron Mediated Oxidative Stress; The Role of a Putative Iron-responsive Element. International Journal of Molecular Sciences, 2009, 10, 1226-1260.	4.1	75
26	S-Adenosyl Methionine and Transmethylation Pathways in Neuropsychiatric Diseases Throughout Life. Neurotherapeutics, 2018, 15, 156-175.	4.4	68
27	Interleukin-1Î± stimulates non-amyloidogenic pathway by Î±-secretase (ADAM-10 and ADAM-17) cleavage of APP in human astrocytic cells involving p38 MAP kinase. Journal of Neuroscience Research, 2006, 84, 106-118.	2.9	61
28	Alzheimerâ€™s disease drug discovery targeted to the APP mRNA 5â€²Untranslated region. Journal of Molecular Neuroscience, 2002, 19, 77-82.	2.3	58
29	Mechanisms of neuroprotection by hemopexin: modeling the control of heme and iron homeostasis in brain neurons in inflammatory states. Journal of Neurochemistry, 2013, 125, 89-101.	3.9	57
30	The alpha-synuclein 5â€²untranslated region targeted translation blockers: anti-alpha synuclein efficacy of cardiac glycosides and Posiphen. Journal of Neural Transmission, 2011, 118, 493-507.	2.8	56
31	Alzheimer's disease therapeutics targeted to the control of amyloid precursor protein translation: Maintenance of brain iron homeostasis. Biochemical Pharmacology, 2014, 88, 486-494.	4.4	55
32	Ascorbic Acid Enhances Iron-induced Ferritin Translation in Human Leukemia and Hepatoma Cells. Journal of Biological Chemistry, 1995, 270, 2846-2852.	3.4	54
33	Drug Discovery Targeted to the Alzheimer's APP mRNA 5'-Untranslated Region: The Action of Paroxetine and Dimercaptopropanol. Journal of Molecular Neuroscience, 2003, 20, 267-276.	2.3	54
34	The Integrated Role of Desferrioxamine and Phenserine Targeted to an Iron-Responsive Element in the APP-mRNA 5'-Untranslated Region. Annals of the New York Academy of Sciences, 2004, 1035, 34-48.	3.8	52
35	Manganese causes neurotoxic iron accumulation via translational repression of amyloid precursor protein and Hâ€Ferritin. Journal of Neurochemistry, 2018, 147, 831-848.	3.9	52
36	Novel drug targets based on metallobiology of Alzheimer's disease. Expert Opinion on Therapeutic Targets, 2010, 14, 1177-1197.	3.4	49

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37	Serum Ferritin and Metal Levels as Risk Factors for Amyotrophic Lateral Sclerosis. The Open Neurology Journal, 2008, 2, 51-54.	0.4	49
38	RNA Therapeutics Directed to the Non Coding Regions of APP mRNA, In Vivo Anti-Amyloid Efficacy of Paroxetine, Erythromycin, and N-acetyl cysteine. Current Alzheimer Research, 2006, 3, 221-227.	1.4	48
39	Assessments of plasma ghrelin levels in the early stages of parkinson's disease. Movement Disorders, 2017, 32, 1487-1491.	3.9	47
40	Biomarkers of environmental manganese exposure and associations with childhood neurodevelopment: a systematic review and meta-analysis. Environmental Health, 2020, 19, 104.	4.0	47
41	Novel 5â€² Untranslated Region Directed Blockers of Iron-Regulatory Protein-1 Dependent Amyloid Precursor Protein Translation: Implications for Down Syndrome and Alzheimer's Disease. PLoS ONE, 2013, 8, e65978.	2.5	44
42	FDA-Preapproved Drugs Targeted to the Translational Regulation and Processing of the Amyloid Precursor Protein. Journal of Molecular Neuroscience, 2004, 24, 129-136.	2.3	43
43	The Role of Cytokines in the Regulation of Ferritin Expression. Advances in Experimental Medicine and Biology, 1994, 356, 127-132.	1.6	43
44	Dysregulation of Neuronal Iron Homeostasis as an Alternative Unifying Effect of Mutations Causing Familial Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2018, 12, 533.	2.8	41
45	Thyrotropin-releasing Hormone and Epidermal Growth Factor Regulate Iron-regulatory Protein Binding in Pituitary Cells via Protein Kinase C-dependent and -independent Signaling Pathways. Journal of Biological Chemistry, 2000, 275, 31609-31615.	3.4	38
46	Pilot Study of the Reducing Effect on Amyloidosis In Vivo by Three FDA Pre-Approved Drugs Via the Alzheimers APP 5Untranslated Region. Current Alzheimer Research, 2005, 2, 249-254.	1.4	38
47	A High-Throughput Drug Screen Targeted to the 5'Untranslated Region of Alzheimer Amyloid Precursor Protein mRNA. Journal of Biomolecular Screening, 2006, 11, 469-480.	2.6	37
48	The Anticholinesterase Phenserine and Its Enantiomer Posiphen as 5^{â€²}Untranslated-Region-Directed Translation Blockers of the Parkinsonâ€™s Alpha Synuclein Expression. Parkinson's Disease, 2012, 2012, 1-13.	1.1	37
49	A role for amyloid precursor protein translation to restore iron homeostasis and ameliorate lead (Pb) neurotoxicity. Journal of Neurochemistry, 2016, 138, 479-494.	3.9	33
50	Taking Down the Unindicted Co-Conspirators of Amyloid β-Peptidemediated Neuronal Death: Shared Gene Regulation of BACE1 and APP Genes Interacting with CREB, Fe65 and YY1 Transcription Factors. Current Alzheimer Research, 2006, 3, 475-483.	1.4	32
51	Functional characterization of three singleâ€nucleotide polymorphisms present in the human APOE promoter sequence: Differential effects in neuronal cells and on DNAâ€“protein interactions. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2010, 153B, 185-201.	1.7	32
52	The Acute Box cis-Element in Human Heavy Ferritin mRNA 5â€²-Untranslated Region Is a Unique Translation Enhancer That Binds Poly(C)-binding Proteins. Journal of Biological Chemistry, 2005, 280, 30032-30045.	3.4	29
53	Differential cytotoxicity of metal oxide nanoparticles. Journal of Experimental Nanoscience, 2008, 3, 321-328.	2.4	29
54	The Ferritin Genes: Structure, Expression, and Regulation. Annals of the New York Academy of Sciences, 1988, 526, 113-123.	3.8	26

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55	Flavanols, mild cognitive impairment, and Alzheimer's dementia. International Journal of Clinical and Experimental Medicine, 2008, 1, 181-91.	1.3	25
56	Tat-haFGF 14â€“154 Upregulates ADAM10 to Attenuate the Alzheimer Phenotype of APP/PS1 Mice through the PI3K-CREB-IRE1Î±/XBP1 Pathway. Molecular Therapy - Nucleic Acids, 2017, 7, 439-452.	5.1	24
57	Synthesis of the Alzheimer Drug Posiphen into its Primary Metabolic Products (+)-N1-norPosiphen, (+)-N8-norPosiphen and (+)-N1, N8-bisnorPosiphen, their Inhibition of Amyloid Precursor Protein, α -Synuclein Synthesis, Interleukin-1β Release, and Cholinergic Action.. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2013, 12, 117-128.	1.1	23
58	Iron-responsive-like elements and neurodegenerative ferroptosis. Learning and Memory, 2020, 27, 395-413.	1.3	21
59	Melatonin, Metals, and Gene Expression: Implications in Aging and Neurodegenerative Disorders. Annals of the New York Academy of Sciences, 2004, 1035, 216-230.	3.8	20
60	The Role of Phosphoinositide 3-Kinase Signaling in Intestinal Inflammation. Journal of Signal Transduction, 2012, 2012, 1-13.	2.0	20
61	Differential Expression of the Activator Protein 1 Transcription Factor Regulates Interleukin-1ÃŸ Induction of Interleukin 6 in the Developing Enterocyte. PLoS ONE, 2016, 11, e0145184.	2.5	18
62	HDAC1 Governs Iron Homeostasis Independent of Histone Deacetylation in Iron-Overload Murine Models. Antioxidants and Redox Signaling, 2018, 28, 1224-1237.	5.4	17
63	Targeting the Iron-Response Elements of the mRNAs for the Alzheimerâ€™s Amyloid Precursor Protein and Ferritin to Treat Acute Lead and Manganese Neurotoxicity. International Journal of Molecular Sciences, 2019, 20, 994.	4.1	17
64	A Special Local Clustering Algorithm for Identifying the Genes Associated With Alzheimer's Disease. IEEE Transactions on Nanobioscience, 2010, 9, 44-50.	3.3	16
65	Exposure to CuO Nanoparticles Mediates NFÎºB Activation and Enhances Amyloid Precursor Protein Expression. Biomedicines, 2020, 8, 45.	3.2	12
66	Alzheimer's Disease and Its Potential Alternative Therapeutics. , 2019, 9, .		12
67	Translational inhibition of Î±-synuclein by Posiphen normalizes distal colon motility in transgenic Parkinson mice. American Journal of Neurodegenerative Disease, 2019, 8, 1-15.	0.1	11
68	Could AÃŸ and AÃŸPP be Antioxidants?. Journal of Alzheimer's Disease, 2000, 2, 83-84.	2.6	9
69	How autism and Alzheimerâ€™s disease are TrAPPed. Molecular Psychiatry, 2021, 26, 26-29.	7.9	9
70	The 5â€™-Untranslated Region of the C9orf72 mRNA Exhibits a Phylogenetic Alignment to the Cis-Aconitase Iron-Responsive Element; Novel Therapies for Amytrophic Lateral Sclerosis. Neuroscience and Medicine, 2016, 07, 15-26.	0.2	8
71	Alpha-Synuclein in Alcohol Use Disorder, Connections with Parkinsonâ€™s Disease and Potential Therapeutic Role of 5â€™ Untranslated Region-Directed Small Molecules. Biomolecules, 2020, 10, 1465.	4.0	7
72	PuF, an antimetastatic and developmental signaling protein, interacts with the Alzheimerâ€™s amyloid-Î² precursor protein via a tissue-specific proximal regulatory element (PRE). BMC Genomics, 2013, 14, 68.	2.8	6

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73	Assessment of gene order computing methods for Alzheimer's disease. BMC Medical Genomics, 2013, 6, S8.	1.5	6
74	A Preliminary Study of Cu Exposure Effects upon Alzheimerâ€™s Amyloid Pathology. Biomolecules, 2020, 10, 408.	4.0	5
75	S-adenosyl-l-methionine (SAMe), cannabidiol (CBD), and kratom in psychiatric disorders: Clinical and mechanistic considerations. Brain, Behavior, and Immunity, 2020, 85, 152-161.	4.1	4
76	Posiphen Reduces the Levels of Huntingtin Protein through Translation Suppression. Pharmaceutics, 2021, 13, 2109.	4.5	3
77	Amyloid Precursor Protein and Ferritin Translation: Implications for Metals and Alzheimer's Disease Therapeutics. ACS Symposium Series, 2005, , 215-251.	0.5	2
78	Dissociation Between the Potent Î²-Amyloid Protein Pathway Inhibition and Cholinergic Actions of the Alzheimer Drug Candidates Phenserine and Cymserine. , 2008, , 445-462.		2
79	Role of Nitric Oxide in Neurodegeneration and Vulnerability of Neuronal Cells to Nitric Oxide Metabolites and Reactive Oxygen Species. , 2010, , 399-415.		1
80	Anti-Idiotypic Sera Against Monoclonal Anti-Porcine Growth Hormone Antibodies: Production in Rabbits and Characterization of Specificity. Journal of Immunoassay, 1999, 20, 45-55.	0.3	0
81	Importance of Copper and Zinc in Alzheimer's Disease and the Biology of Amyloid-Î² Protein and Amyloid-Î² Protein Precursor. , 2003, , 245-261.		0