

# Jack T Rogers

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

6,190  
citations

71102

41  
h-index

71685

76  
g-index

93  
all docs

93  
docs citations

93  
times ranked

7417  
citing authors

#	ARTICLE	IF	CITATIONS
1	How autism and Alzheimer's disease are TrAPPed. <i>Molecular Psychiatry</i> , 2021, 26, 26-29.	7.9	9
2	Posiphen Reduces the Levels of Huntingtin Protein through Translation Suppression. <i>Pharmaceutics</i> , 2021, 13, 2109.	4.5	3
3	S-adenosyl-l-methionine (SAME), cannabidiol (CBD), and kratom in psychiatric disorders: Clinical and mechanistic considerations. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 152-161.	4.1	4
4	Biomarkers of environmental manganese exposure and associations with childhood neurodevelopment: a systematic review and meta-analysis. <i>Environmental Health</i> , 2020, 19, 104.	4.0	47
5	Alpha-Synuclein in Alcohol Use Disorder, Connections with Parkinson's Disease and Potential Therapeutic Role of 5' Untranslated Region-Directed Small Molecules. <i>Biomolecules</i> , 2020, 10, 1465.	4.0	7
6	Iron-responsive-like elements and neurodegenerative ferroptosis. <i>Learning and Memory</i> , 2020, 27, 395-413.	1.3	21
7	A Preliminary Study of Cu Exposure Effects upon Alzheimer's Amyloid Pathology. <i>Biomolecules</i> , 2020, 10, 408.	4.0	5
8	Exposure to CuO Nanoparticles Mediates NF- $\kappa$ B Activation and Enhances Amyloid Precursor Protein Expression. <i>Biomedicines</i> , 2020, 8, 45.	3.2	12
9	Targeting the Iron-Response Elements of the mRNAs for the Alzheimer's Amyloid Precursor Protein and Ferritin to Treat Acute Lead and Manganese Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 994.	4.1	17
10	Novel upregulation of amyloid- $\beta$ precursor protein (APP) by microRNA-346 via targeting of APP mRNA 5'-untranslated region: Implications in Alzheimer's disease. <i>Molecular Psychiatry</i> , 2019, 24, 345-363.	7.9	103
11	Alzheimer's Disease and Its Potential Alternative Therapeutics. , 2019, 9, .		12
12	Translational inhibition of $\alpha$ -synuclein by Posiphen normalizes distal colon motility in transgenic Parkinson mice. <i>American Journal of Neurodegenerative Disease</i> , 2019, 8, 1-15.	0.1	11
13	S-Adenosyl Methionine and Transmethylation Pathways in Neuropsychiatric Diseases Throughout Life. <i>Neurotherapeutics</i> , 2018, 15, 156-175.	4.4	68
14	HDAC1 Governs Iron Homeostasis Independent of Histone Deacetylation in Iron-Overload Murine Models. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1224-1237.	5.4	17
15	Manganese causes neurotoxic iron accumulation via translational repression of amyloid precursor protein and $\alpha$ -Ferritin. <i>Journal of Neurochemistry</i> , 2018, 147, 831-848.	3.9	52
16	Dysregulation of Neuronal Iron Homeostasis as an Alternative Unifying Effect of Mutations Causing Familial Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 533.	2.8	41
17	Brain Iron Metabolism Dysfunction in Parkinson's Disease. <i>Molecular Neurobiology</i> , 2017, 54, 3078-3101.	4.0	138
18	Tat-haFGF 14 $\alpha$ -154 Upregulates ADAM10 to Attenuate the Alzheimer Phenotype of APP/PS1 Mice through the PI3K-CREB-IRE1 $\alpha$ /XBP1 Pathway. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 7, 439-452.	5.1	24

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19	Assessments of plasma ghrelin levels in the early stages of parkinson's disease. <i>Movement Disorders</i> , 2017, 32, 1487-1491.	3.9	47
20	High-resolution analytical imaging and electron holography of magnetite particles in amyloid cores of Alzheimer's disease. <i>Scientific Reports</i> , 2016, 6, 24873.	3.3	103
21	A role for amyloid precursor protein translation to restore iron homeostasis and ameliorate lead (Pb) neurotoxicity. <i>Journal of Neurochemistry</i> , 2016, 138, 479-494.	3.9	33
22	Differential Expression of the Activator Protein 1 Transcription Factor Regulates Interleukin-1 $\beta$ Induction of Interleukin 6 in the Developing Enterocyte. <i>PLoS ONE</i> , 2016, 11, e0145184.	2.5	18
23	The 5' Untranslated Region of the C9orf72 mRNA Exhibits a Phylogenetic Alignment to the Cis-Aconitase Iron-Responsive Element; Novel Therapies for Amyotrophic Lateral Sclerosis. <i>Neuroscience and Medicine</i> , 2016, 07, 15-26.	0.2	8
24	Parkinson's Disease Iron Deposition Caused by Nitric Oxide-Induced Loss of $\beta$ -Amyloid Precursor Protein. <i>Journal of Neuroscience</i> , 2015, 35, 3591-3597.	3.6	109
25	Alzheimer's disease therapeutics targeted to the control of amyloid precursor protein translation: Maintenance of brain iron homeostasis. <i>Biochemical Pharmacology</i> , 2014, 88, 486-494.	4.4	55
26	Perturbed Iron Distribution in Alzheimer's Disease Serum, Cerebrospinal Fluid, and Selected Brain Regions: A Systematic Review and Meta-Analysis. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 679-690.	2.6	108
27	PuF, an antimetastatic and developmental signaling protein, interacts with the Alzheimer's amyloid- $\beta$ precursor protein via a tissue-specific proximal regulatory element (PRE). <i>BMC Genomics</i> , 2013, 14, 68.	2.8	6
28	Assessment of gene order computing methods for Alzheimer's disease. <i>BMC Medical Genomics</i> , 2013, 6, S8.	1.5	6
29	Mechanisms of neuroprotection by hemopexin: modeling the control of heme and iron homeostasis in brain neurons in inflammatory states. <i>Journal of Neurochemistry</i> , 2013, 125, 89-101.	3.9	57
30	Novel 5' Untranslated Region Directed Blockers of Iron-Regulatory Protein-1 Dependent Amyloid Precursor Protein Translation: Implications for Down Syndrome and Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e65978.	2.5	44
31	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, &#945; -Synuclein Synthesis, Interleukin-1&#946; Release, and Cholinergic Action.. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> . 2013. 12. 117-128.	1.1	23
32	N-Methyl D-Aspartate (NMDA) Receptor Antagonists and Memantine Treatment for Alzheimer's Disease, Vascular Dementia and Parkinson's Disease. <i>Current Alzheimer Research</i> , 2012, 9, 746-758.	1.4	277
33	The Role of Phosphoinositide 3-Kinase Signaling in Intestinal Inflammation. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-13.	2.0	20
34	The Anticholinesterase Phenserine and Its Enantiomer Posiphen as 5' Untranslated-Region-Directed Translation Blockers of the Parkinson's Alpha Synuclein Expression. <i>Parkinson's Disease</i> , 2012, 2012, 1-13.	1.1	37
35	The alpha-synuclein 5' untranslated region targeted translation blockers: anti-alpha synuclein efficacy of cardiac glycosides and Posiphen. <i>Journal of Neural Transmission</i> , 2011, 118, 493-507.	2.8	56
36	Functional characterization of three single-nucleotide polymorphisms present in the human <i>APOE</i> promoter sequence: Differential effects in neuronal cells and on DNA-protein interactions. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 185-201.	1.7	32

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37	Selective Translational Control of the Alzheimer Amyloid Precursor Protein Transcript by Iron Regulatory Protein-1. <i>Journal of Biological Chemistry</i> , 2010, 285, 31217-31232.	3.4	144
38	Iron-Export Ferroxidase Activity of $\beta$ -Amyloid Precursor Protein Is Inhibited by Zinc in Alzheimer's Disease. <i>Cell</i> , 2010, 142, 857-867.	28.9	597
39	Novel drug targets based on metallobiology of Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2010, 14, 1177-1197.	3.4	49
40	A Special Local Clustering Algorithm for Identifying the Genes Associated With Alzheimer's Disease. <i>IEEE Transactions on Nanobioscience</i> , 2010, 9, 44-50.	3.3	16
41	Role of Nitric Oxide in Neurodegeneration and Vulnerability of Neuronal Cells to Nitric Oxide Metabolites and Reactive Oxygen Species. , 2010, , 399-415.		1
42	Physiological and Pathological Role of Alpha-synuclein in Parkinson's Disease Through Iron Mediated Oxidative Stress; The Role of a Putative Iron-responsive Element. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1226-1260.	4.1	75
43	Amyloid precursor protein and alpha synuclein translation, implications for iron and inflammation in neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 615-628.	2.4	87
44	MicroRNAs can regulate human APP levels. <i>Molecular Neurodegeneration</i> , 2008, 3, 10.	10.8	164
45	Iron and the translation of the amyloid precursor protein (APP) and ferritin mRNAs: riboregulation against neural oxidative damage in Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2008, 36, 1282-1287.	3.4	123
46	Differential cytotoxicity of metal oxide nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2008, 3, 321-328.	2.4	29
47	Interleukin (IL) $1\beta$ Induction of IL-6 Is Mediated by a Novel Phosphatidylinositol 3-Kinase-dependent AKT/ $\beta$ Kinase $\beta$ Pathway Targeting Activator Protein-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 25900-25912.	3.4	189
48	A review of independent component analysis application to microarray gene expression data. <i>BioTechniques</i> , 2008, 45, 501-520.	1.8	92
49	Dissociation Between the Potent $\beta$ -Amyloid Protein Pathway Inhibition and Cholinergic Actions of the Alzheimer Drug Candidates Phenserine and Cymserine. , 2008, , 445-462.		2
50	Serum Ferritin and Metal Levels as Risk Factors for Amyotrophic Lateral Sclerosis. <i>The Open Neurology Journal</i> , 2008, 2, 51-54.	0.4	49
51	Flavanols, mild cognitive impairment, and Alzheimer's dementia. <i>International Journal of Clinical and Experimental Medicine</i> , 2008, 1, 181-91.	1.3	25
52	Metal exposure and Alzheimer's pathogenesis. <i>Journal of Structural Biology</i> , 2006, 155, 45-51.	2.8	121
53	Interleukin- $1\beta$ stimulates non-amyloidogenic pathway by $\beta$ -secretase (ADAM-10 and ADAM-17) cleavage of APP in human astrocytic cells involving p38 MAP kinase. <i>Journal of Neuroscience Research</i> , 2006, 84, 106-118.	2.9	61
54	RNA Therapeutics Directed to the Non Coding Regions of APP mRNA, In Vivo Anti-Amyloid Efficacy of Paroxetine, Erythromycin, and N-acetyl cysteine. <i>Current Alzheimer Research</i> , 2006, 3, 221-227.	1.4	48

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55	Taking Down the Unindicted Co-Conspirators of Amyloid $\beta$ -Peptidemediated Neuronal Death: Shared Gene Regulation of BACE1 and APP Genes Interacting with CREB, Fe65 and YY1 Transcription Factors. <i>Current Alzheimer Research</i> , 2006, 3, 475-483.	1.4	32
56	A High-Throughput Drug Screen Targeted to the 5'Untranslated Region of Alzheimer Amyloid Precursor Protein mRNA. <i>Journal of Biomolecular Screening</i> , 2006, 11, 469-480.	2.6	37
57	Pilot Study of the Reducing Effect on Amyloidosis In Vivo by Three FDA Pre-Approved Drugs Via the Alzheimers APP 5Untranslated Region. <i>Current Alzheimer Research</i> , 2005, 2, 249-254.	1.4	38
58	Amyloid Precursor Protein and Ferritin Translation: Implications for Metals and Alzheimer's Disease Therapeutics. <i>ACS Symposium Series</i> , 2005, , 215-251.	0.5	2
59	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. <i>Journal of Biological Chemistry</i> , 2005, 280, 30032-30045.	3.4	29
60	Preliminary studies of a novel bifunctional metal chelator targeting Alzheimer's amyloidogenesis. <i>Experimental Gerontology</i> , 2004, 39, 1641-1649.	2.8	131
61	FDA-Preapproved Drugs Targeted to the Translational Regulation and Processing of the Amyloid Precursor Protein. <i>Journal of Molecular Neuroscience</i> , 2004, 24, 129-136.	2.3	43
62	Redoxâ€”Active Metals, Oxidative Stress, and Alzheimer's Disease Pathology. <i>Annals of the New York Academy of Sciences</i> , 2004, 1012, 153-163.	3.8	381
63	The Integrated Role of Desferrioxamine and Phenserine Targeted to an Iron-Responsive Element in the APP-mRNA 5'-Untranslated Region. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 34-48.	3.8	52
64	Melatonin, Metals, and Gene Expression: Implications in Aging and Neurodegenerative Disorders. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 216-230.	3.8	20
65	New Therapeutic Strategies and Drug Candidates for Neurodegenerative Diseases: p53 and TNF- $\alpha$ Inhibitors, and GLP-1 Receptor Agonists. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 290-315.	3.8	91
66	Metal and Inflammatory Targets for Alzheimers Disease. <i>Current Drug Targets</i> , 2004, 5, 535-551.	2.1	152
67	Drug Discovery Targeted to the Alzheimer's APP mRNA 5'-Untranslated Region: The Action of Paroxetine and Dimercaptopropanol. <i>Journal of Molecular Neuroscience</i> , 2003, 20, 267-276.	2.3	54
68	Importance of Copper and Zinc in Alzheimer's Disease and the Biology of Amyloid- $\beta$ Protein and Amyloid- $\beta$ Protein Precursor. , 2003, , 245-261.		0
69	An Iron-responsive Element Type II in the 5â€²-Untranslated Region of the Alzheimer's Amyloid Precursor Protein Transcript. <i>Journal of Biological Chemistry</i> , 2002, 277, 45518-45528.	3.4	474
70	Alzheimerâ€™s disease drug discovery targeted to the APP mRNA 5â€²Untranslated region. <i>Journal of Molecular Neuroscience</i> , 2002, 19, 77-82.	2.3	58
71	Iron-dependent regulation of the divalent metal ion transporter. <i>FEBS Letters</i> , 2001, 509, 309-316.	2.8	269
72	Could A $\beta$ and A $\beta$ PP be Antioxidants?. <i>Journal of Alzheimer's Disease</i> , 2000, 2, 83-84.	2.6	9

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73	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
74	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
75	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
76	Translation of the Alzheimer Amyloid Precursor Protein mRNA Is Up-regulated by Interleukin-1 through 5' Untranslated Region Sequences. Journal of Biological Chemistry, 1999, 274, 6421-6431.	3.4	256
77	Iron-regulatory proteins, iron-responsive elements and ferritin mRNA translation. International Journal of Biochemistry and Cell Biology, 1999, 31, 1139-1152.	2.8	198
78	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
79	Ascorbic Acid Enhances Iron-induced Ferritin Translation in Human Leukemia and Hepatoma Cells. Journal of Biological Chemistry, 1995, 270, 2846-2852.	3.4	54
80	The Role of Cytokines in the Regulation of Ferritin Expression. Advances in Experimental Medicine and Biology, 1994, 356, 127-132.	1.6	43
81	The Ferritin Genes: Structure, Expression, and Regulation. Annals of the New York Academy of Sciences, 1988, 526, 113-123.	3.8	26