

Robert D Moir

List of Publications by Year in descending order

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67
papers

16,535
citations

41258

49
h-index

114278

63
g-index

72
all docs

72
docs citations

72
times ranked

13983
citing authors

#	ARTICLE	IF	CITATIONS
1	Alzheimer's disease amyloid- β pathology in the lens of the eye. <i>Experimental Eye Research</i> , 2022, 221, 108974.	1.2	5
2	In Vivo Quasi-Elastic Light Scattering Eye Scanner Detects Molecular Aging in Humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, e53-e62.	1.7	5
3	Low Evolutionary Selection Pressure in Senescence Does Not Explain the Persistence of A β in the Vertebrate Genome. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 70.	1.7	22
4	The antimicrobial protection hypothesis of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2018, 14, 1602-1614.	0.4	305
5	Alzheimer's Disease-Associated β -Amyloid Is Rapidly Seeded by Herpesviridae to Protect against Brain Infection. <i>Neuron</i> , 2018, 99, 56-63.e3.	3.8	470
6	The Emerging Role of Innate Immunity in Alzheimer's Disease. <i>Neuropsychopharmacology</i> , 2017, 42, 362-362.	2.8	10
7	Soluble lipoprotein receptor-related protein immunoreactive species in cell culture media and serum replacement supplements. <i>Analytical Methods</i> , 2017, 9, 110-116.	1.3	0
8	Alzheimer's disease: the potential therapeutic role of the natural antibiotic amyloid- β peptide. <i>Neurodegenerative Disease Management</i> , 2016, 6, 345-348.	1.2	35
9	Amyloid- β peptide protects against microbial infection in mouse and worm models of Alzheimer's disease. <i>Science Translational Medicine</i> , 2016, 8, 340ra72.	5.8	816
10	Near-infrared fluorescence molecular imaging of amyloid beta species and monitoring therapy in animal models of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9734-9739.	3.3	187
11	Altered synapses in a <i>Drosophila</i> model of Alzheimer's disease. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 373-85.	1.2	55
12	Chronic Traumatic Encephalopathy in Blast-Exposed Military Veterans and a Blast Neurotrauma Mouse Model. <i>Science Translational Medicine</i> , 2012, 4, 134ra60.	5.8	684
13	Characterization of a <i>Drosophila</i> Alzheimer's Disease Model: Pharmacological Rescue of Cognitive Defects. <i>PLoS ONE</i> , 2011, 6, e20799.	1.1	107
14	Non-Conjugated Small Molecule FRET for Differentiating Monomers from Higher Molecular Weight Amyloid Beta Species. <i>PLoS ONE</i> , 2011, 6, e19362.	1.1	41
15	Anesthetic Propofol Attenuates the Isoflurane-Induced Caspase-3 Activation and A β Oligomerization. <i>PLoS ONE</i> , 2011, 6, e27019.	1.1	56
16	Iron-Export Ferroxidase Activity of β -Amyloid Precursor Protein Is Inhibited by Zinc in Alzheimer's Disease. <i>Cell</i> , 2010, 142, 857-867.	13.5	597
17	The Alzheimer's Disease-Associated Amyloid β -Protein Is an Antimicrobial Peptide. <i>PLoS ONE</i> , 2010, 5, e9505.	1.1	868
18	Alzheimer's Disease Amyloid- β Links Lens and Brain Pathology in Down Syndrome. <i>PLoS ONE</i> , 2010, 5, e10659.	1.1	122

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19	Potential late-onset Alzheimer's disease-associated mutations in the ADAM10 gene attenuate β -secretase activity. <i>Human Molecular Genetics</i> , 2009, 18, 3987-3996.	1.4	206
20	The Common Inhalational Anesthetic Sevoflurane Induces Apoptosis and Increases β -Amyloid Protein Levels. <i>Archives of Neurology</i> , 2009, 66, 620-31.	4.9	228
21	Reduced amyloidogenic processing of the amyloid β -protein precursor by the small-molecule Differentiation Inducing Factor-1. <i>Cellular Signalling</i> , 2009, 21, 567-576.	1.7	10
22	Characterization of Copper Interactions with Alzheimer Amyloid β Peptides. <i>Journal of Neurochemistry</i> , 2008, 75, 1219-1233.	2.1	566
23	The common inhalation anesthetic isoflurane induces caspase activation and increases amyloid β -protein level in vivo. <i>Annals of Neurology</i> , 2008, 64, 618-627.	2.8	281
24	The Inhalation Anesthetic Desflurane Induces Caspase Activation and Increases Amyloid β -Protein Levels under Hypoxic Conditions. <i>Journal of Biological Chemistry</i> , 2008, 283, 11866-11875.	1.6	92
25	The Inhalation Anesthetic Isoflurane Induces a Vicious Cycle of Apoptosis and Amyloid β -Protein Accumulation. <i>Journal of Neuroscience</i> , 2007, 27, 1247-1254.	1.7	224
26	Metal exposure and Alzheimer's pathogenesis. <i>Journal of Structural Biology</i> , 2006, 155, 45-51.	1.3	121
27	Isoflurane-Induced Apoptosis: A Potential Pathogenic Link Between Delirium and Dementia. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 1300-1306.	1.7	108
28	LRP-Mediated Clearance of A β is Inhibited by KPI-Containing Isoforms of APP. <i>Current Alzheimer Research</i> , 2005, 2, 269-273.	0.7	40
29	Autoantibodies to Redox-modified Oligomeric A β Are Attenuated in the Plasma of Alzheimer's Disease Patients. <i>Journal of Biological Chemistry</i> , 2005, 280, 17458-17463.	1.6	83
30	Preliminary studies of a novel bifunctional metal chelator targeting Alzheimer's amyloidogenesis. <i>Experimental Gerontology</i> , 2004, 39, 1641-1649.	1.2	131
31	Redox-Active Metals, Oxidative Stress, and Alzheimer's Disease Pathology. <i>Annals of the New York Academy of Sciences</i> , 2004, 1012, 153-163.	1.8	381
32	Trace metal contamination initiates the apparent auto-aggregation, amyloidosis, and oligomerization of Alzheimer's A β peptides. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 954-960.	1.1	218
33	Copper Mediates Dityrosine Cross-Linking of Alzheimer's Amyloid- β . <i>Biochemistry</i> , 2004, 43, 560-568.	1.2	362
34	Peroxidase Activity of Cyclooxygenase-2 (COX-2) Cross-links β -Amyloid (A β) and Generates A β -COX-2 Hetero-oligomers That Are Increased in Alzheimer's Disease. <i>Journal of Biological Chemistry</i> , 2004, 279, 14673-14678.	1.6	44
35	Hypocapnia Induces Caspase-3 Activation and Increases A β Production. <i>Neurodegenerative Diseases</i> , 2004, 1, 29-37.	0.8	33
36	Clearance of Alzheimer's A β Peptide. <i>Neuron</i> , 2004, 43, 605-608.	3.8	224

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37	The ACAT Inhibitor CP-113,818 Markedly Reduces Amyloid Pathology in a Mouse Model of Alzheimer's Disease. <i>Neuron</i> , 2004, 44, 227-238.	3.8	249
38	Cytosolic β -amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. <i>Lancet, The</i> , 2003, 361, 1258-1265.	6.3	323
39	Metalloenzyme-like Activity of Alzheimer's Disease β -Amyloid. <i>Journal of Biological Chemistry</i> , 2002, 277, 40302-40308.	1.6	536
40	Alzheimer's disease drug discovery targeted to the APP mRNA 5' Untranslated region. <i>Journal of Molecular Neuroscience</i> , 2002, 19, 77-82.	1.1	58
41	Association of membrane-bound amyloid precursor protein APP with the apolipoprotein E receptor LRP. <i>Molecular Brain Research</i> , 2001, 87, 238-245.	2.5	53
42	Treatment with a Copper-Zinc Chelator Markedly and Rapidly Inhibits β -Amyloid Accumulation in Alzheimer's Disease Transgenic Mice. <i>Neuron</i> , 2001, 30, 665-676.	3.8	1,419
43	Uptake of HIV-1 Tat protein mediated by low-density lipoprotein receptor-related protein disrupts the neuronal metabolic balance of the receptor ligands. <i>Nature Medicine</i> , 2000, 6, 1380-1387.	15.2	360
44	Alzheimer's Disease, β -Amyloid Protein and Zinc. <i>Journal of Nutrition</i> , 2000, 130, 1488S-1492S.	1.3	102
45	Presenilin 2 Interacts with Sorcin, a Modulator of the Ryanodine Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 14440-14445.	1.6	98
46	Mounting evidence for the involvement of zinc and copper in Alzheimer's disease. <i>European Journal of Clinical Investigation</i> , 1999, 29, 569-570.	1.7	21
47	The β Peptide of Alzheimer's Disease Directly Produces Hydrogen Peroxide through Metal Ion Reduction. <i>Biochemistry</i> , 1999, 38, 7609-7616.	1.2	1,098
48	Cu(II) Potentiation of Alzheimer β Neurotoxicity. <i>Journal of Biological Chemistry</i> , 1999, 274, 37111-37116.	1.6	688
49	Differential Effects of Apolipoprotein E Isoforms on Metal-Induced Aggregation of β Using Physiological Concentrations. <i>Biochemistry</i> , 1999, 38, 4595-4603.	1.2	125
50	Relative Increase in Alzheimer's Disease of Soluble Forms of Cerebral β Amyloid Protein Precursor Containing the Kunitz Protease Inhibitory Domain. <i>Journal of Biological Chemistry</i> , 1998, 273, 5013-5019.	1.6	95
51	Cerebrospinal Fluid Levels of Amyloid Precursor Protein and Amyloid β -Peptide in Alzheimer's Disease and Major Depression – Inverse Correlation with Dementia Severity. <i>European Neurology</i> , 1998, 39, 111-118.	0.6	77
52	Dramatic Aggregation of Alzheimer β by Cu(II) Is Induced by Conditions Representing Physiological Acidosis. <i>Journal of Biological Chemistry</i> , 1998, 273, 12817-12826.	1.6	935
53	Zinc-induced Alzheimer's β 1-40 Aggregation Is Mediated by Conformational Factors. <i>Journal of Biological Chemistry</i> , 1997, 272, 26464-26470.	1.6	287
54	Endoproteolytic Cleavage and Proteasomal Degradation of Presenilin 2 in Transfected Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 11006-11010.	1.6	198

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55	Cerebral Zinc Metabolism in Alzheimer's Disease. , 1997, , 225-237.		4
56	REVIEWThe Gene Defects Responsible for Familial Alzheimer's Disease. Neurobiology of Disease, 1996, 3, 159-168.	2.1	268
57	Alzheimer's-associated presenilins 1 and 2 : Neuronal expression in brain and localization to intracellular membranes in mammalian cells. Nature Medicine, 1996, 2, 224-229.	15.2	573
58	Response. Science, 1995, 268, 1921-1923.	6.0	63
59	LDL receptor-related protein, a multifunctional ApoE receptor, binds secreted β -amyloid precursor protein and mediates its degradation. Cell, 1995, 82, 331-340.	13.5	499
60	The amyloid protein precursor of Alzheimer's disease is a mediator of the effects of nerve growth factor on neurite outgrowth. Neuron, 1992, 9, 129-137.	3.8	450
61	Human Brain β 4 Amyloid Protein Precursor of Alzheimer's Disease: Purification and Partial Characterization. Journal of Neurochemistry, 1992, 59, 1490-1498.	2.1	49
62	An abnormality of plasma amyloid protein precursor in Alzheimer's disease. Annals of Neurology, 1992, 32, 57-65.	2.8	56
63	A protease activity associated with acetylcholinesterase releases the membrane-bound form of the amyloid protein precursor of Alzheimer's disease. Biochemistry, 1991, 30, 10795-10799.	1.2	78
64	A spectrophotometric assay for 6-phosphogluconolactonase involving the use of immobilized enzymes to prepare the labile 6-phosphoglucono- δ -lactone substrate. Biochemical Journal, 1988, 256, 69-73.	1.7	8
65	The amino-terminal sequence of the 85-90K nonhormone binding component of the molybdate-stabilized estradiol receptor from calf uterus. Biochemical and Biophysical Research Communications, 1987, 143, 218-224.	1.0	12
66	Neuroinflammatory Responses in the Alzheimer's Disease Brain Promote the Oxidative Post-translational Modification of Amyloid Deposits. , 0, , 341-361.		14
67	Alzheimer's Disease-Associated β -amyloid Is Rapidly Seeded by <i>herpesviridae</i> to Protect Against Brain Infection. SSRN Electronic Journal, 0, , .	0.4	1