

# Mary Jo LaDu

## List of Publications by Year in descending order

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82  
papers

8,050  
citations

61687

45  
h-index

84171

75  
g-index

87  
all docs

87  
docs citations

87  
times ranked

9611  
citing authors

#	ARTICLE	IF	CITATIONS
1	APOE4 genotype or ovarian hormone loss influence open field exploration in an EFAD mouse model of Alzheimer's disease. <i>Hormones and Behavior</i> , 2022, 140, 105124.	1.0	7
2	The detrimental effects of APOE4 on risk for Alzheimer's disease may result from altered dendritic spine density, synaptic proteins, and estrogen receptor alpha. <i>Neurobiology of Aging</i> , 2022, 112, 74-86.	1.5	6
3	APOE4 homozygote females are resistant to the beneficial effects of 17 $\beta$ -estradiol on memory and CA1 dendritic spine density in the EFAD mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2022, 118, 13-24.	1.5	7
4	Discovery of Nonlipogenic ABCA1 Inducing Compounds with Potential in Alzheimer's Disease and Type 2 Diabetes. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 143-154.	2.5	17
5	Relevance of transgenic mouse models for Alzheimer's disease. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 177, 1-48.	0.9	13
6	Metabolomic analysis of a selective ABCA1 inducer in obesogenic challenge provides a rationale for therapeutic development. <i>EBioMedicine</i> , 2021, 66, 103287.	2.7	11
7	APOE4 accelerates advanced-stage vascular and neurodegenerative disorder in old Alzheimer's mice via cyclophilin A independently of amyloid- $\beta$ . <i>Nature Aging</i> , 2021, 1, 506-520.	5.3	77
8	Effects of Docosahexaenoic Acid and Its Peroxidation Product on Amyloid- $\beta$ Peptide-Stimulated Microglia. <i>Molecular Neurobiology</i> , 2020, 57, 1085-1098.	1.9	18
9	Murine Gut Microbiome Association With APOE Alleles. <i>Frontiers in Immunology</i> , 2020, 11, 200.	2.2	37
10	Alzheimer's disease pathology in APOE transgenic mouse models: The Who, What, When, Where, Why, and How. <i>Neurobiology of Disease</i> , 2020, 139, 104811.	2.1	44
11	Cytosolic Phospholipase A2 Facilitates Oligomeric Amyloid- $\beta$ Peptide Association with Microglia via Regulation of Membrane-Cytoskeleton Connectivity. <i>Molecular Neurobiology</i> , 2019, 56, 3222-3234.	1.9	12
12	The role of APOE in transgenic mouse models of AD. <i>Neuroscience Letters</i> , 2019, 707, 134285.	1.0	37
13	Synergistic effects of APOE and sex on the gut microbiome of young EFAD transgenic mice. <i>Molecular Neurodegeneration</i> , 2019, 14, 47.	4.4	33
14	Effects of APOE Genotype and Sex on the Plasma Lipoprotein Profile of the EFAD Mouse. <i>FASEB Journal</i> , 2019, 33, lb161.	0.2	0
15	Determining Accuracy of oAb as a Mechanistic Biomarker for Alzheimer's Disease in Human Plasma. <i>FASEB Journal</i> , 2019, 33, lb159.	0.2	0
16	The effects of sex and APOE genotype on the gut microbiome in EFAD transgenic mice. <i>FASEB Journal</i> , 2019, 33, lb160.	0.2	0
17	Neuronal pentraxin 1: A synaptic-derived plasma biomarker in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2018, 114, 120-128.	2.1	25
18	NEW PARADIGMS IN TREATING APOE4-DRIVEN DEMENTIA DISEASES: PROOF OF CONCEPT AND TRANSLATIONAL FINDINGS FROM STUDIES WITH THE ABCA1 AGONIST THERAPEUTIC CS6253. <i>Alzheimer's and Dementia</i> , 2018, 14, P1658.	0.4	0

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19	P1â€110: THE EFFECT OF SEX AND <i>APOE</i> ON AD PATHOLOGY DURING AGING IN EFAD MICE. <i>Alzheimer's and Dementia</i> , 2018, 14, P313.	0.4	0
20	P2â€126: THE ROLE OF APOE GENOTYPE, SEX, AND 17Î²â€ESTRADIOL IN MEMORY CONSOLIDATION IN A MOUSE MODEL OF ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P717.	0.4	0
21	A small molecule ApoE4-targeted therapeutic candidate that normalizes sirtuin 1 levels and improves cognition in an Alzheimerâ€™s disease mouse model. <i>Scientific Reports</i> , 2018, 8, 17574.	1.6	25
22	EFAD transgenic mice as a human APOE relevant preclinical model of Alzheimer's disease. <i>Journal of Lipid Research</i> , 2017, 58, 1733-1755.	2.0	56
23	APOE Î¼4 specific imbalance of arachidonic acid and docosahexaenoic acid in serum phospholipids identifies individuals with preclinical Mild Cognitive Impairment/Alzheimerâ€™s Disease. <i>Aging</i> , 2017, 9, 964-985.	1.4	58
24	Prion protein inhibits fast axonal transport through a mechanism involving casein kinase 2. <i>PLoS ONE</i> , 2017, 12, e0188340.	1.1	14
25	Rexinoids as Therapeutics for Alzheimer's Disease: Role of APOE. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 708-720.	1.0	30
26	<i>Arabidopsis thaliana</i> extracts optimized for polyphenols production as potential therapeutics for the APOE-modulated neuroinflammation characteristic of Alzheimerâ€™s disease in vitro. <i>Scientific Reports</i> , 2016, 6, 29364.	1.6	11
27	Apolipoprotein E isotype-dependent modulation of microRNA-146a in plasma and brain. <i>NeuroReport</i> , 2016, 27, 791-795.	0.6	18
28	A multifunctional therapeutic approach to disease modification in multiple familial mouse models and a novel sporadic model of Alzheimerâ€™s disease. <i>Molecular Neurodegeneration</i> , 2016, 11, 35.	4.4	27
29	The APOE4 allele shows opposite sex bias in microbleeds and Alzheimer's disease of humans and mice. <i>Neurobiology of Aging</i> , 2016, 37, 47-57.	1.5	70
30	APOE4 Induces Site-Specific Tau Phosphorylation Through Calpain-CDK5 Signaling Pathway in EFAD-Tg Mice. <i>Current Alzheimer Research</i> , 2016, 13, 1048-1055.	0.7	31
31	Genetics ignite focus on microglial inflammation in Alzheimerâ€™s disease. <i>Molecular Neurodegeneration</i> , 2015, 10, 52.	4.4	128
32	<i>APOE</i>-modulated AÎ²â€induced neuroinflammation in Alzheimer's disease: current landscape, novel data, and future perspective. <i>Journal of Neurochemistry</i> , 2015, 133, 465-488.	2.1	123
33	APOE4 enhances age-dependent decline in cognitive function by down-regulating an NMDA receptor pathway in EFAD-Tg mice. <i>Molecular Neurodegeneration</i> , 2015, 10, 7.	4.4	79
34	Soluble apoE/AÎ² complex: mechanism and therapeutic target for APOE4-induced AD risk. <i>Molecular Neurodegeneration</i> , 2014, 9, 2.	4.4	98
35	Amyloid-Î² Pathology and APOE Genotype Modulate Retinoid X Receptor Agonist Activity in Vivo. <i>Journal of Biological Chemistry</i> , 2014, 289, 30538-30555.	1.6	82
36	Human APOE4 increases microglia reactivity at AÎ² plaques in a mouse model of AÎ² deposition. <i>Journal of Neuroinflammation</i> , 2014, 11, 111.	3.1	144

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37	White matter integrity is associated with cerebrospinal fluid markers of Alzheimer's disease in normal adults. <i>Neurobiology of Aging</i> , 2014, 35, 2263-2271.	1.5	51
38	APOE modulates the effect of estrogen therapy on A $\beta$ accumulation EFAD-Tg mice. <i>Neuroscience Letters</i> , 2014, 560, 131-136.	1.0	36
39	P4-360: INTERACTIONS OF APOE GENOTYPE AND RXR AGONISTS ON SOLUBLE AB AND OLIGOMERIC AB. , 2014, 10, P920-P921.		0
40	Levels of Soluble Apolipoprotein E/Amyloid- $\beta$ (A $\beta$ ) Complex Are Reduced and Oligomeric A $\beta$ Increased with APOE4 and Alzheimer Disease in a Transgenic Mouse Model and Human Samples*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5914-5926.	1.6	136
41	ApoE4 Delays Dendritic Spine Formation during Neuron Development and Accelerates Loss of Mature Spines <i>in Vitro</i> . <i>ASN Neuro</i> , 2013, 6, AN20130043.	1.5	31
42	Apolipoprotein E as a $\beta$ -amyloid-independent factor in Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2013, 5, 38.	3.0	48
43	Differential Regulation of Amyloid- $\beta$ Endocytic Trafficking and Lysosomal Degradation by Apolipoprotein E Isoforms. <i>Journal of Biological Chemistry</i> , 2012, 287, 44593-44601.	1.6	156
44	Preferential interactions between ApoE-containing lipoproteins and A $\beta$ revealed by a detection method that combines size exclusion chromatography with non-reducing gel-shift. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 295-302.	1.2	30
45	APOE4-specific Changes in A $\beta$ Accumulation in a New Transgenic Mouse Model of Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2012, 287, 41774-41786.	1.6	213
46	Intraneuronal A $\beta$ detection in 5xFAD mice by a new A $\beta$ -specific antibody. <i>Molecular Neurodegeneration</i> , 2012, 7, 8.	4.4	144
47	Simultaneous analysis of dendritic spine density, morphology and excitatory glutamate receptors during neuron maturation <i>in vitro</i> by quantitative immunocytochemistry. <i>Journal of Neuroscience Methods</i> , 2012, 207, 137-147.	1.3	20
48	APOE genotype alters glial activation and loss of synaptic markers in mice. <i>Glia</i> , 2012, 60, 559-569.	2.5	186
49	Cognitive effects of cell-derived and synthetically derived A $\beta$ oligomers. <i>Neurobiology of Aging</i> , 2011, 32, 1784-1794.	1.5	124
50	Introducing HumanAPOE into A $\beta$ Transgenic Mouse Models. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-9.	1.1	42
51	Amyloid- $\beta$ 242 alters apolipoprotein E solubility in brains of mice with five familial AD mutations. <i>Journal of Neuroscience Methods</i> , 2011, 196, 51-59.	1.3	58
52	Endocytic pathways mediating oligomeric A $\beta$ 242 neurotoxicity. <i>Molecular Neurodegeneration</i> , 2010, 5, 19.	4.4	48
53	Preparing Synthetic A $\beta$ in Different Aggregation States. <i>Methods in Molecular Biology</i> , 2010, 670, 13-32.	0.4	283
54	Proposed mechanism for lipoprotein remodelling in the brain. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 819-823.	1.2	39

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55	ApoE isoform-dependent changes in hippocampal synaptic function. <i>Molecular Neurodegeneration</i> , 2009, 4, 21.	4.4	78
56	ApoE4 Decreases Spine Density and Dendritic Complexity in Cortical Neurons <i>In Vivo</i> . <i>Journal of Neuroscience</i> , 2009, 29, 15317-15322.	1.7	195
57	A $\beta$ 42 neurotoxicity in primary co-cultures: Effect of apoE isoform and A $\beta$ 2 conformation. <i>Neurobiology of Aging</i> , 2007, 28, 1139-1147.	1.5	64
58	Self-Assembly of HEK Cell-Secreted ApoE Particles Resembles ApoE Enrichment of Lipoproteins as a Ligand for the LDL Receptor-Related Protein. <i>Biochemistry</i> , 2006, 45, 381-390.	1.2	32
59	The generation and function of soluble apoE receptors in the CNS. <i>Molecular Neurodegeneration</i> , 2006, 1, 15.	4.4	53
60	ApoE isoform-specific effects on LTP: blockade by oligomeric amyloid- $\beta$ 42. <i>Neurobiology of Disease</i> , 2005, 18, 75-82.	2.1	81
61	Differential effects of oligomeric and fibrillar amyloid- $\beta$ 42 on astrocyte-mediated inflammation. <i>Neurobiology of Disease</i> , 2005, 18, 459-465.	2.1	208
62	Apolipoprotein E modulates gamma-secretase cleavage of the amyloid precursor protein. <i>Journal of Neurochemistry</i> , 2004, 90, 1132-1143.	2.1	85
63	A Dual Role for Apolipoprotein E in Neuroinflammation: Anti- and Pro-Inflammatory Activity. <i>Journal of Molecular Neuroscience</i> , 2004, 23, 205-212.	1.1	139
64	ApoE and A $\beta$ 42 Interactions: Effects of Isoform and Conformation on Structure and Function. <i>Journal of Molecular Neuroscience</i> , 2004, 23, 235-246.	1.1	86
65	ApoE isoform affects LTP in human targeted replacement mice. <i>NeuroReport</i> , 2004, 15, 2655-2658.	0.6	107
66	In Vitro Characterization of Conditions for Amyloid- $\beta$ Peptide Oligomerization and Fibrillogenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 11612-11622.	1.6	879
67	Oligomeric and Fibrillar Species of Amyloid- $\beta$ Peptides Differentially Affect Neuronal Viability. <i>Journal of Biological Chemistry</i> , 2002, 277, 32046-32053.	1.6	1,281
68	Apolipoprotein E structural requirements for the formation of SDS-stable complexes with $\beta$ -amyloid-(1-40): the role of salt bridges. <i>Biochemical Journal</i> , 2002, 366, 273-279.	1.7	42
69	Apolipoprotein E and Alzheimer's disease: The protective effects of ApoE2 and E3. <i>Journal of Alzheimer's Disease</i> , 2002, 4, 145-154.	1.2	84
70	Apolipoprotein E and apolipoprotein E receptors modulate A $\beta$ -induced glial neuroinflammatory responses. <i>Neurochemistry International</i> , 2001, 39, 427-434.	1.9	112
71	Lipidation of apolipoprotein E influences its isoform-specific interaction with Alzheimer's amyloid $\beta$ peptides. <i>Biochemical Journal</i> , 2000, 348, 359.	1.7	78
72	Lipidation of apolipoprotein E influences its isoform-specific interaction with Alzheimer's amyloid $\beta$ peptides. <i>Biochemical Journal</i> , 2000, 348, 359-365.	1.7	219

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73	Lipoproteins in the Central Nervous System. <i>Annals of the New York Academy of Sciences</i> , 2000, 903, 167-175.	1.8	182
74	Apolipoprotein E Receptors Mediate the Effects of $\beta$ -Amyloid on Astrocyte Cultures. <i>Journal of Biological Chemistry</i> , 2000, 275, 33974-33980.	1.6	86
75	SDS-Stable Complex Formation between Native Apolipoprotein E3 and $\beta$ -Amyloid Peptides. <i>Biochemistry</i> , 2000, 39, 16119-16124.	1.2	33
76	Unique Lipoproteins Secreted by Primary Astrocytes From Wild Type, apoE ( $\epsilon^{\epsilon}$ ), and Human apoE Transgenic Mice. <i>Journal of Biological Chemistry</i> , 1999, 274, 30001-30007.	1.6	182
77	Glial Fibrillary Acidic Protein- $\beta$ -Apolipoprotein E (apoE) Transgenic Mice: Astrocyte-Specific Expression and Differing Biological Effects of Astrocyte-Secreted apoE3 and apoE4 Lipoproteins. <i>Journal of Neuroscience</i> , 1998, 18, 3261-3272.	1.7	211
78	Isoform-Specific Effect of Apolipoprotein E on Cell Survival and $\beta$ -Amyloid-Induced Toxicity in Rat Hippocampal Pyramidal Neuronal Cultures. <i>Journal of Neuroscience</i> , 1998, 18, 195-204.	1.7	167
79	Apolipoprotein E Attenuates $\beta$ -Amyloid-Induced Astrocyte Activation. <i>Journal of Neurochemistry</i> , 1998, 71, 1626-1634.	2.1	54
80	Association of human, rat, and rabbit apolipoprotein E with $\beta$ -amyloid. , 1997, 49, 9-18.		81
81	Effect of Apolipoprotein E on Neurite Outgrowth and $\beta$ -Amyloid-Induced Toxicity in Developing Rat Primary Hippocampal Cultures. <i>Journal of Neurochemistry</i> , 1997, 68, 760-769.	2.1	71
82	Purification of Apolipoprotein E Attenuates Isoform-specific Binding to $\beta$ -Amyloid. <i>Journal of Biological Chemistry</i> , 1995, 270, 9039-9042.	1.6	173