

# Rebecca A Baillie

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

4,927  
citations

186265

28  
h-index

182427

51  
g-index

66  
all docs

66  
docs citations

66  
times ranked

7429  
citing authors

#	ARTICLE	IF	CITATIONS
1	A lipidomic analysis of nonalcoholic fatty liver disease. <i>Hepatology</i> , 2007, 46, 1081-1090.	7.3	1,096
2	Altered bile acid profile associates with cognitive impairment in Alzheimer's disease—An emerging role for gut microbiome. <i>Alzheimer's and Dementia</i> , 2019, 15, 76-92.	0.8	396
3	Metabolic network failures in Alzheimer's disease: A biochemical roadmap. <i>Alzheimer's and Dementia</i> , 2017, 13, 965-984.	0.8	362
4	Brain and blood metabolite signatures of pathology and progression in Alzheimer disease: A targeted metabolomics study. <i>PLoS Medicine</i> , 2018, 15, e1002482.	8.4	336
5	Metabolomic mapping of atypical antipsychotic effects in schizophrenia. <i>Molecular Psychiatry</i> , 2007, 12, 934-945.	7.9	241
6	Targeted Deletion of FATP5 Reveals Multiple Functions in Liver Metabolism: Alterations in Hepatic Lipid Homeostasis. <i>Gastroenterology</i> , 2006, 130, 1245-1258.	1.3	200
7	Altered bile acid profile in mild cognitive impairment and Alzheimer's disease: Relationship to neuroimaging and CSF biomarkers. <i>Alzheimer's and Dementia</i> , 2019, 15, 232-244.	0.8	198
8	Enteric Microbiome Metabolites Correlate with Response to Simvastatin Treatment. <i>PLoS ONE</i> , 2011, 6, e25482.	2.5	172
9	Coordinate induction of peroxisomal acyl-CoA oxidase and UCP-3 by dietary fish oil: a mechanism for decreased body fat deposition. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 1999, 60, 351-356.	2.2	154
10	Association of Altered Liver Enzymes With Alzheimer Disease Diagnosis, Cognition, Neuroimaging Measures, and Cerebrospinal Fluid Biomarkers. <i>JAMA Network Open</i> , 2019, 2, e197978.	5.9	142
11	Sex and APOE $\epsilon$ 4 genotype modify the Alzheimer's disease serum metabolome. <i>Nature Communications</i> , 2020, 11, 1148.	12.8	115
12	Peroxisome proliferator-activated receptors: a family of lipid-activated transcription factors. <i>American Journal of Clinical Nutrition</i> , 1999, 70, 566-571.	4.7	110
13	Lipidomics Reveals Early Metabolic Changes in Subjects with Schizophrenia: Effects of Atypical Antipsychotics. <i>PLoS ONE</i> , 2013, 8, e68717.	2.5	104
14	Metabolic Network Analysis Reveals Altered Bile Acid Synthesis and Metabolism in Alzheimer's Disease. <i>Cell Reports Medicine</i> , 2020, 1, 100138.	6.5	102
15	Lipidomic analysis of variation in response to simvastatin in the Cholesterol and Pharmacogenetics Study. <i>Metabolomics</i> , 2010, 6, 191-201.	3.0	98
16	Metabolomics Reveals Amino Acids Contribute to Variation in Response to Simvastatin Treatment. <i>PLoS ONE</i> , 2012, 7, e38386.	2.5	90
17	Concordant peripheral lipidome signatures in two large clinical studies of Alzheimer's disease. <i>Nature Communications</i> , 2020, 11, 5698.	12.8	76
18	Impaired plasmalogens in patients with schizophrenia. <i>Psychiatry Research</i> , 2012, 198, 347-352.	3.3	63

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19	Serum triglycerides in Alzheimer disease. <i>Neurology</i> , 2020, 94, e2088-e2098.	1.1	63
20	Integrative metabolomics&genomics approach reveals key metabolic pathways and regulators of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2022, 18, 1260-1278.	0.8	57
21	Fatty Acid Regulation of Gene Expression Its Role in Fuel Partitioning and Insulin Resistance. <i>Annals of the New York Academy of Sciences</i> , 1997, 827, 178-187.	3.8	56
22	Generation and quality control of lipidomics data for the alzheimer&TM's disease neuroimaging initiative cohort. <i>Scientific Data</i> , 2018, 5, 180263.	5.3	55
23	Targeted metabolomics and medication classification data from participants in the ADNI1 cohort. <i>Scientific Data</i> , 2017, 4, 170140.	5.3	49
24	Alterations in acylcarnitines, amines, and lipids inform about the mechanism of action of citalopram/escitalopram in major depression. <i>Translational Psychiatry</i> , 2021, 11, 153.	4.8	46
25	Nutritional and Hormonal Regulation of Expression of the Gene for Malic Enzyme. <i>Progress in Molecular Biology and Translational Science</i> , 1996, 52, 89-122.	1.9	45
26	Sets of coregulated serum lipids are associated with Alzheimer's disease pathophysiology. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 619-627.	2.4	45
27	Copper Deficiency Induces Hepatic Fatty Acid Synthase Gene Transcription in Rats by Increasing the Nuclear Content of Mature Sterol Regulatory Element Binding Protein 1. <i>Journal of Nutrition</i> , 2000, 130, 2915-2921.	2.9	42
28	Indoxyl sulfate, a gut microbiome-derived uremic toxin, is associated with psychic anxiety and its functional magnetic resonance imaging-based neurologic signature. <i>Scientific Reports</i> , 2021, 11, 21011.	3.3	37
29	Plasma Omega-3 Polyunsaturated Fatty Acids and Survival in Patients with Chronic Heart Failure and Major Depressive Disorder. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 92-99.	2.4	27
30	Peripheral serum metabolomic profiles inform central cognitive impairment. <i>Scientific Reports</i> , 2020, 10, 14059.	3.3	25
31	Transient transfection of chick-embryo hepatocytes. <i>Journal of Nutritional Biochemistry</i> , 1993, 4, 431-439.	4.2	24
32	Higher naloxone dosing in a quantitative systems pharmacology model that predicts naloxone-fentanyl competition at the opioid mu receptor level. <i>PLoS ONE</i> , 2020, 15, e0234683.	2.5	24
33	Is a Diabetes Mellitus&quot;Linked Amino Acid Signature Associated With Î²-Blocker&quot;Induced Impaired Fasting Glucose?. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 199-205.	5.1	21
34	A blood-based signature of cerebrospinal fluid AÎ²1&quot;42 status. <i>Scientific Reports</i> , 2019, 9, 4163.	3.3	21
35	Serum metabolites associated with brain amyloid beta deposition, cognition and dementia progression. <i>Brain Communications</i> , 2021, 3, fcab139.	3.3	21
36	Sphingolipid Metabolic Pathway Impacts Thiazide Diuretics Blood Pressure Response: Insights From Genomics, Metabolomics, and Lipidomics. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	19

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37	Pharmacokinetic analysis of <sup>14</sup> C-ursodiol in newborn infants using accelerator mass spectrometry. <i>Journal of Clinical Pharmacology</i> , 2014, 54, 1031-1037.	2.0	18
38	Regulation of the Action of Steroid/Thyroid Hormone Receptors by Medium-chain Fatty Acids. <i>Journal of Biological Chemistry</i> , 1998, 273, 15373-15381.	3.4	16
39	<i>APOE</i> $\epsilon$ 2 resilience for Alzheimer's disease is mediated by plasma lipid species: Analysis of three independent cohort studies. <i>Alzheimer's and Dementia</i> , 2022, 18, 2151-2166.	0.8	16
40	Bile acids targeted metabolomics and medication classification data in the ADNI1 and ADNI2 cohorts. <i>Scientific Data</i> , 2019, 6, 212.	5.3	15
41	Circulating ethanolamine plasmalogen indices in Alzheimer's disease: Relation to diagnosis, cognition, and CSF tau. <i>Alzheimer's and Dementia</i> , 2020, 16, 1234-1247.	0.8	15
42	Virtual Systems Pharmacology (ViSP) software for simulation from mechanistic systems-level models. <i>Frontiers in Pharmacology</i> , 2014, 5, 232.	3.5	14
43	Pharmacometabolomic signature links simvastatin therapy and insulin resistance. <i>Metabolomics</i> , 2017, 13, 1.	3.0	14
44	Pharmacometabolomics Informs About Pharmacokinetic Profile of Methylphenidate. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2018, 7, 525-533.	2.5	14
45	Specific effects of polyunsaturated fatty acids on gene expression. <i>Current Opinion in Lipidology</i> , 1996, 7, 53-55.	2.7	12
46	Characterization of an Acrosomal Matrix Protein in Hamster and Bovine Spermatids and Spermatozoa. <i>Biology of Reproduction</i> , 1990, 42, 553-562.	2.7	11
47	Hepatic fatty acid synthase gene transcription is induced by a dietary copper deficiency. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1997, 272, E1124-E1129.	3.5	8
48	Functional Annotation of Genomic Data with Metabolic Inference. <i>Poultry Science</i> , 2007, 86, 1510-1522.	3.4	8
49	Chapter 27. Biosimulation: Dynamic modeling of biological systems. <i>Annual Reports in Medicinal Chemistry</i> , 2002, 37, 279-288.	0.9	7
50	P3-157: Indices of Plasmalogen Biosynthesis in ADNI-1 Baseline Serum Samples: Association with Progression to Dementia in Subjects with Mild Cognitive Impairment. , 2016, 12, P879-P880.		1
51	F3-04: SERUM INDICES OF ETHANOLAMINE PLASMALOGENS AND PHOSPHATIDE METABOLISM IN THE COMBINED ADNI1/GO2 COHORT: DOES THE LIVER CONTRIBUTE TO AD RISK BY FAILING TO SUPPLY KEY LIPIDS TO THE BRAIN?. <i>Alzheimer's and Dementia</i> , 2018, 14, P998.		1
52	Considerations for Adapting Pre-existing Mechanistic Quantitative Systems Pharmacology Models for New Research Contexts. <i>Frontiers in Pharmacology</i> , 2019, 10, 416.	3.5	1
53	F1-02-02: Genetic Influence on Levels of Targeted Metabolites Associated with Alzheimer's Disease. , 2016, 12, P164-P165.		0
54	[F2-01-03]: GUT DERIVED BILE ACID METABOLITES CORRELATE WITH STRUCTURAL AND FUNCTIONAL NEUROIMAGING MEASURES IN ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P543.	0.8	0

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55	F3â€02â€01: ALTERED BILE ACID METABOLITES IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE: RELATION TO NEUROIMAGING AND CSF BIOMARKERS. <i>Alzheimer's and Dementia</i> , 2018, 14, P997.	0.8	0
56	F3â€02â€03: ASSOCIATION OF SERUM LIPIDS WITH ALZHEIMER'S DISEASE IN THE ADNI COHORT: AN UNTARGETED LIPIDOMICS STUDY. <i>Alzheimer's and Dementia</i> , 2018, 14, P998.	0.8	0