Matthias Arnold

List of Publications by Year
in descending order

56 papers	4,977 citations	186265 28 h-index	243625 44 g-index
78 all docs	78 docs citations	78 times ranked	9870 citing authors

#	Article	IF	Citations
1	<tt>maplet</tt>: an extensible R toolbox for modular and reproducible metabolomics pipelines. Bioinformatics, 2022, 38, 1168-1170.	4.1	18
2	Integrative metabolomicsâ€genomics approach reveals key metabolic pathways and regulators of Alzheimer's disease. Alzheimer's and Dementia, 2022, 18, 1260-1278.	0.8	57
3	APOE Îµ2 resilience for Alzheimer's disease is mediated by plasma lipid species: Analysis of three independent cohort studies. Alzheimer's and Dementia, 2022, 18, 2151-2166.	0.8	16
4	Metabolomic and inflammatory signatures of symptom dimensions in major depression. Brain, Behavior, and Immunity, 2022, 102, 42-52.	4.1	33
5	Genomics-based identification of a potential causal role for acylcarnitine metabolism in depression. Journal of Affective Disorders, 2022, 307, 254-263.	4.1	10
6	Comprehensive genetic analysis of the human lipidome identifies loci associated with lipid homeostasis with links to coronary artery disease. Nature Communications, 2022, 13, .	12.8	30
7	Multi-omics integration in biomedical research â€“ A metabolomics-centric review. Analytica Chimica Acta, 2021, 1141, 144-162.	5.4	125
8	Serum metabolites associated with brain amyloid beta deposition, cognition and dementia progression. Brain Communications, 2021, 3, fcab139.	3.3	21
9	Alterations in acylcarnitines, amines, and lipids inform about the mechanism of action of citalopram/escitalopram in major depression. Translational Psychiatry, 2021, 11, 153.	4.8	46
10	Serum metabolomic biomarkers of perceptual speed in cognitively normal and mildly impaired subjects with fasting state stratification. Scientific Reports, 2021, 11, 18964.	3.3	15
11	Indoxyl sulfate, a gut microbiome-derived uremic toxin, is associated with psychic anxiety and its functional magnetic resonance imaging-based neurologic signature. Scientific Reports, 2021, 11, 21011.	3.3	37
12	Mapping the proteo-genomic convergence of human diseases. Science, 2021, 374, eabj1541.	12.6	192
13	Profiling the metabolome of patients with dementia in the UK Biobank. Alzheimer's and Dementia, 2021, 17, .	0.8	0
14	Lipidomic signatures for APOE genotypes provides new insights about mechanisms of resilience in Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, .	0.8	0
15	Mapping the human brain metabolome and influences of gut microbiome. Alzheimer's and Dementia, 2021, 17, .	0.8	0
16	Gut microbiomeâ€related metabolites in plasma are associated with general cognition. Alzheimer's and Dementia, 2021, 17, .	0.8	0
17	Transcriptomics, metabolomics, lipidomics, metabolic flux and mGWAS analyses of sphingolipid pathway highlights novel drugs for Alzheimerâ€™s disease. Alzheimer's and Dementia, 2021, 17, .	0.8	1
18	The metabolic landscape of brain alterations in Alzheimer's disease.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e054793.	0.8	1

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19	Investigating the importance of acylcarnitines in Alzheimer's disease.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e056647.	0.8	1
20	A proof of concept study towards multi-omics-based computational drug repositioning in Alzheimer's disease.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e056673.	0.8	0
21	Acylcarnitine metabolomic profiles inform clinically-defined major depressive phenotypes. Journal of Affective Disorders, 2020, 264, 90-97.	4.1	36
22	Large eQTL meta-analysis reveals differing patterns between cerebral cortical and cerebellar brain regions. Scientific Data, 2020, 7, 340.	5.3	75
23	Metabolic Network Analysis Reveals Altered Bile Acid Synthesis and Metabolism in Alzheimerâ€™s Disease. Cell Reports Medicine, 2020, 1, 100138.	6.5	102
24	Concordant peripheral lipidome signatures in two large clinical studies of Alzheimerâ€™s disease. Nature Communications, 2020, 11, 5698.	12.8	76
25	Circulating ethanolamine plasmalogen indices in Alzheimer's disease: Relation to diagnosis, cognition, and CSF tau. Alzheimer's and Dementia, 2020, 16, 1234-1247.	0.8	15
26	Peripheral serum metabolomic profiles inform central cognitive impairment. Scientific Reports, 2020, 10, 14059.	3.3	25
27	Identification of concordant plasma lipid signatures in Alzheimerâ€™s disease: Validation between two independent studies of Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e042275.	0.8	0
28	Discovery of SLC16A9 and SLC22A1 as regulators of acylcarnitines associated with Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e043411.	0.8	0
29	Hallmarks of lateâ€onset Alzheimerâ€™s disease in a humanized mouse model. Alzheimer's and Dementia, 2020, 16, e045162.	0.8	0
30	A networkâ€based, multiâ€omics atlas for target identification and prioritization in Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e045594.	0.8	0
31	Serum metabolome informs neuroimaging biomarkers for Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e045596.	0.8	0
32	Genomeâ€wide study of the human lipidome and links to Alzheimerâ€™s disease risk. Alzheimer's and Dementia, 2020, 16, e045600.	0.8	1
33	Integrative metabolomicsâ€genomics approach reveals that pathways related to the metabolism of acylcarnitines and amines are new potential targets of Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e045610.	0.8	1
34	Serum triglycerides in Alzheimer disease. Neurology, 2020, 94, e2088-e2098.	1.1	63
35	Alzheimerâ€™s Risk Factors Age, APOE Genotype, and Sex Drive Distinct Molecular Pathways. Neuron, 2020, 106, 727-742.e6.	8.1	152
36	Sex and APOE Îµ4 genotype modify the Alzheimerâ€™s disease serum metabolome. Nature Communications, 2020, 11, 1148.	12.8	115

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37	Association of Altered Liver Enzymes With Alzheimer Disease Diagnosis, Cognition, Neuroimaging Measures, and Cerebrospinal Fluid Biomarkers. JAMA Network Open, 2019, 2, e197978.	5.9	142
38	Metabolomic signature of exposure and response to citalopram/escitalopram in depressed outpatients. Translational Psychiatry, 2019, 9, 173.	4.8	53
39	Bile acids targeted metabolomics and medication classification data in the ADNI1 and ADNIGO/2 cohorts. Scientific Data, 2019, 6, 212.	5.3	15
40	Sets of coregulated serum lipids are associated with Alzheimer's disease pathophysiology. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 619-627.	2.4	45
41	Altered bile acid profile associates with cognitive impairment in Alzheimer's diseaseâ€"An emerging role for gut microbiome. Alzheimer's and Dementia, 2019, 15, 76-92.	0.8	396
42	Altered bile acid profile in mild cognitive impairment and Alzheimer's disease: Relationship to neuroimaging and CSF biomarkers. Alzheimer's and Dementia, 2019, 15, 232-244.	0.8	198
43	Personalized Mammography Screening and Screening Adherenceâ€"A Simulation and Economic Evaluation. Value in Health, 2018, 21, 799-808.	0.3	4
44	PhenoDis: a comprehensive database for phenotypic characterization of rare cardiac diseases. Orphanet Journal of Rare Diseases, 2018, 13, 22.	2.7	15
45	Brain and blood metabolite signatures of pathology and progression in Alzheimer disease: A targeted metabolomics study. PLoS Medicine, 2018, 15, e1002482.	8.4	336
46	Connecting genetic risk to disease end points through the human blood plasma proteome. Nature Communications, 2017, 8, 14357.	12.8	460
47	Metabolic network failures in Alzheimer's disease: A biochemical roadÂmap. Alzheimer's and Dementia, 2017, 13, 965-984.	0.8	362
48	Targeted metabolomics and medication classification data from participants in the ADNI1 cohort. Scientific Data, 2017, 4, 170140.	5.3	49
49	Candidate gene variants of the immune system and sudden infant death syndrome. International Journal of Legal Medicine, 2016, 130, 1025-1033.	2.2	19
50	Genome-Wide Association Study with Targeted and Non-targeted NMR Metabolomics Identifies 15 Novel Loci of Urinary Human Metabolic Individuality. PLoS Genetics, 2015, 11, e1005487.	3.5	83
51	SNiPA: an interactive, genetic variant-centered annotation browser. Bioinformatics, 2015, 31, 1334-1336.	4.1	273
52	An atlas of genetic influences on human blood metabolites. Nature Genetics, 2014, 46, 543-550.	21.4	1,084
53	Genome-wide association studies in asthma. Current Opinion in Allergy and Clinical Immunology, 2013, 13, 112-118.	2.3	39
54	Network-based SNP meta-analysis identifies joint and disjoint genetic features across common human diseases. BMC Genomics, 2012, 13, 490.	2.8	1

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55	Cis-Acting Polymorphisms Affect Complex Traits through Modifications of MicroRNA Regulation Pathways. PLoS ONE, 2012, 7, e36694.	2.5	37
56	Metabolic Network Analysis Reveals Altered Bile Acid Synthesis and Cholesterol Metabolism in Alzheimerâ€™s Disease. SSRN Electronic Journal, 0, , .	0.4	6