

Ameer Y Taha

List of Publications by Year in descending order

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186209

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#	ARTICLE	IF	CITATIONS
1	Polyunsaturated fatty acids and fatty acid-derived lipid mediators: Recent advances in the understanding of their biosynthesis, structures, and functions. <i>Progress in Lipid Research</i> , 2022, 86, 101165.	5.3	164
2	Lowering dietary linoleic acid reduces bioactive oxidized linoleic acid metabolites in humans. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2012, 87, 135-141.	1.0	153
3	Polyunsaturated fatty acids and epilepsy. <i>Epilepsia</i> , 2010, 51, 1348-1358.	2.6	105
4	Adolescent Behavior and Dopamine Availability Are Uniquely Sensitive to Dietary Omega-3 Fatty Acid Deficiency. <i>Biological Psychiatry</i> , 2014, 75, 38-46.	0.7	88
5	Altered fatty acid concentrations in prefrontal cortex of schizophrenic patients. <i>Journal of Psychiatric Research</i> , 2013, 47, 636-643.	1.5	81
6	Dietary omega-6 fatty acid lowering increases bioavailability of omega-3 polyunsaturated fatty acids in human plasma lipid pools. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 90, 151-157.	1.0	66
7	Oxidized linoleic acid metabolites induce liver mitochondrial dysfunction, apoptosis, and NLRP3 activation in mice. <i>Journal of Lipid Research</i> , 2018, 59, 1597-1609.	2.0	60
8	Linoleic acidâ€“good or bad for the brain?. <i>Npj Science of Food</i> , 2020, 4, 1.	2.5	58
9	Despite transient ketosis, the classic high-fat ketogenic diet induces marked changes in fatty acid metabolism in rats. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 1127-1132.	1.5	56
10	Disturbed brain phospholipid and docosahexaenoic acid metabolism in calcium-independent phospholipase A2-VIA (iPLA2 ^{v2})-knockout mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 1278-1286.	1.2	56
11	Targeted alterations in dietary n-3 and n-6 fatty acids improve life functioning and reduce psychological distress among patients with chronic headache. <i>Pain</i> , 2015, 156, 587-596.	2.0	56
12	Lipidomic Analysis of Oxidized Fatty Acids in Plant and Algae Oils. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1941-1951.	2.4	46
13	Regulation of rat plasma and cerebral cortex oxylipin concentrations with increasing levels of dietary linoleic acid. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 138, 71-80.	1.0	46
14	Design and fabrication of a highly sensitive and naked-eye distinguishable colorimetric biosensor for chloramphenicol detection by using ELISA on nanofibrous membranes. <i>Talanta</i> , 2020, 217, 121054.	2.9	46
15	Dietary linoleic acid-induced alterations in pro- and anti-nociceptive lipid autacoids. <i>Molecular Pain</i> , 2016, 12, 174480691663638.	1.0	44
16	Doseâ€“dependent anticonvulsant effects of linoleic and linolenic polyunsaturated fatty acids on pentylenetetrazol induced seizures in rats. <i>Epilepsia</i> , 2009, 50, 72-82.	2.6	41
17	Seizure resistance in fat-1 transgenic mice endogenously synthesizing high levels of omega-3 polyunsaturated fatty acids. <i>Journal of Neurochemistry</i> , 2008, 105, 380-388.	2.1	40
18	Altered soluble epoxide hydrolase-derived oxylipins in patients with seasonal major depression: An exploratory study. <i>Psychiatry Research</i> , 2017, 252, 94-101.	1.7	40

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19	Insights into Soluble Toll-Like Receptor 2 as a Downregulator of Virally Induced Inflammation. <i>Frontiers in Immunology</i> , 2016, 7, 291.	2.2	39
20	Dietary Linoleic Acid Lowering Reduces Lipopolysaccharide-Induced Increase in Brain Arachidonic Acid Metabolism. <i>Molecular Neurobiology</i> , 2017, 54, 4303-4315.	1.9	39
21	Acute administration of docosahexaenoic acid increases resistance to pentylenetetrazol-induced seizures in rats. <i>Epilepsy and Behavior</i> , 2010, 17, 336-343.	0.9	36
22	Linoleic acid participates in the response to ischemic brain injury through oxidized metabolites that regulate neurotransmission. <i>Scientific Reports</i> , 2017, 7, 4342.	1.6	36
23	Soluble Epoxide Hydrolase-Derived Linoleic Acid Oxylipins in Serum Are Associated with Periventricular White Matter Hyperintensities and Vascular Cognitive Impairment. <i>Translational Stroke Research</i> , 2019, 10, 522-533.	2.3	34
24	Bioconversion of cheese whey permeate into fungal oil by <i>Mucor circinelloides</i> . <i>Journal of Biological Engineering</i> , 2018, 12, 25.	2.0	33
25	Identification and profiling of targeted oxidized linoleic acid metabolites in rat plasma by quadrupole time-of-flight mass spectrometry. <i>Biomedical Chromatography</i> , 2013, 27, 422-432.	0.8	32
26	Effects of industrial heat treatments on bovine milk oxylipins and conventional markers of lipid oxidation. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 152, 102040.	1.0	32
27	Omega-3 fatty acids (ω -3 fatty acids) in epilepsy: animal models and human clinical trials. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 1141-1145.	1.4	30
28	Development of Improved Double-Nanobody Sandwich ELISAs for Human Soluble Epoxide Hydrolase Detection in Peripheral Blood Mononuclear Cells of Diabetic Patients and the Prefrontal Cortex of Multiple Sclerosis Patients. <i>Analytical Chemistry</i> , 2020, 92, 7334-7342.	3.2	30
29	Increases in seizure latencies induced by subcutaneous docosahexaenoic acid are lost at higher doses. <i>Epilepsy Research</i> , 2012, 99, 225-232.	0.8	29
30	Fatty acid bioaccessibility and structural breakdown from <i>in vitro</i> digestion of almond particles. <i>Food and Function</i> , 2019, 10, 5174-5187.	2.1	28
31	Effects of diets enriched in linoleic acid and its peroxidation products on brain fatty acids, oxylipins, and aldehydes in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1206-1213.	1.2	27
32	Lack of benefit of linoleic and $\hat{\pm}$ -linolenic polyunsaturated fatty acids on seizure latency, duration, severity or incidence in rats. <i>Epilepsy Research</i> , 2006, 71, 40-46.	0.8	25
33	Dietary Enrichment with Medium Chain Triglycerides (AC-1203) Elevates Polyunsaturated Fatty Acids in the Parietal Cortex of Aged Dogs: Implications for Treating Age-Related Cognitive Decline. <i>Neurochemical Research</i> , 2009, 34, 1619-1625.	1.6	25
34	A minimum of 3 months of dietary fish oil supplementation is required to raise amygdaloid afterdischarge seizure thresholds in rats - implications for treating complex partial seizures. <i>Epilepsy and Behavior</i> , 2013, 27, 49-58.	0.9	25
35	Brain oxylipin concentrations following hypercapnia/ischemia: effects of brain dissection and dissection time. <i>Journal of Lipid Research</i> , 2019, 60, 671-682.	2.0	24
36	Linoleic acid-derived metabolites constitute the majority of oxylipins in the rat pup brain and stimulate axonal growth in primary rat cortical neuron-glia co-cultures in a sex-dependent manner. <i>Journal of Neurochemistry</i> , 2020, 152, 195-207.	2.1	24

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37	Intraperitoneal administration of docosahexaenoic acid for 14days increases serum unesterified DHA and seizure latency in the maximal pentylenetetrazol model. <i>Epilepsy and Behavior</i> , 2014, 33, 138-143.	0.9	23
38	Neuropathological Responses to Chronic NMDA in Rats Are Worsened by Dietary n-3 PUFA Deprivation but Are Not Ameliorated by Fish Oil Supplementation. <i>PLoS ONE</i> , 2014, 9, e95318.	1.1	22
39	Low-dose aspirin (acetylsalicylate) prevents increases in brain PGE2, 15-epi-lipoxin A4 and 8-isoprostane concentrations in 9 month-old HIV-1 transgenic rats, a model for HIV-1 associated neurocognitive disorders. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 96, 25-30.	1.0	22
40	Upregulated expression of brain enzymatic markers of arachidonic and docosahexaenoic acid metabolism in a rat model of the metabolic syndrome. <i>BMC Neuroscience</i> , 2012, 13, 131.	0.8	21
41	Selective reduction of excitatory hippocampal sharp waves by docosahexaenoic acid and its methyl ester analog ex-vivo. <i>Brain Research</i> , 2013, 1537, 9-17.	1.1	20
42	Chronic valproate treatment blocks D2-like receptor-mediated brain signaling via arachidonic acid in rats. <i>Neuropharmacology</i> , 2011, 61, 1256-1264.	2.0	19
43	Altered lipid concentrations of liver, heart and plasma but not brain in HIV-1 transgenic rats. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2012, 87, 91-101.	1.0	18
44	Comparative analysis of standardised and common modifications of methods for lipid extraction for the determination of fatty acids. <i>Food Chemistry</i> , 2012, 134, 427-433.	4.2	18
45	Lipidomic Analysis of Postmortem Prefrontal Cortex Phospholipids Reveals Changes in Choline Plasmalogen Containing Docosahexaenoic Acid and Stearic Acid Between Cases With and Without Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2021, 23, 161-175.	1.8	18
46	Chronic clozapine reduces rat brain arachidonic acid metabolism by reducing plasma arachidonic acid availability. <i>Journal of Neurochemistry</i> , 2013, 124, 376-387.	2.1	17
47	Untargeted metabolomic analysis of plasma from relapsing-remitting multiple sclerosis patients reveals changes in metabolites associated with structural changes in brain. <i>Brain Research</i> , 2020, 1732, 146589.	1.1	17
48	Plasma oxylipins and unesterified precursor fatty acids are altered by DHA supplementation in pregnancy: Can they help predict risk of preterm birth?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 153, 102041.	1.0	16
49	Improving the Sensitivity of Nanofibrous Membrane-Based ELISA for On-Site Antibiotics Detection. <i>ACS Sensors</i> , 2022, 7, 1458-1466.	4.0	16
50	Impact of thiamine metabolites and spent medium from <i>Chlorella sorokiniana</i> on metabolism in the green algae <i>Auxenochlorella protothecoides</i> . <i>Algal Research</i> , 2018, 33, 197-208.	2.4	15
51	Plasma Phosphatidylethanolamine and Triacylglycerol Fatty Acid Concentrations are Altered in Major Depressive Disorder Patients with Seasonal Pattern. <i>Lipids</i> , 2017, 52, 559-571.	0.7	14
52	Serum soluble epoxide hydrolase related oxylipins and major depression in patients with type 2 diabetes. <i>Psychoneuroendocrinology</i> , 2021, 126, 105149.	1.3	14
53	Quantitation of Oxylipins in Fish and Algae Oil Supplements Using Optimized Hydrolysis Procedures and Ultra-High Performance Liquid Chromatography Coupled to Tandem Mass-Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9329-9344.	2.4	13
54	Triacylglycerols are preferentially oxidized over free fatty acids in heated soybean oil. <i>Npj Science of Food</i> , 2021, 5, 7.	2.5	13

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55	Scaling up the Bioconversion of Cheese Whey Permeate into Fungal Oil by <i>Mucor circinelloides</i> . <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2020, 97, 703-716.	0.8	12
56	Sample-to-Answer Robotic ELISA. <i>Analytical Chemistry</i> , 2021, 93, 11424-11432.	3.2	12
57	Microwave Energy Increases Fatty Acid Methyl Ester Yield in Human Whole Blood Due to Increased Sphingomyelin Transesterification. <i>Lipids</i> , 2015, 50, 895-905.	0.7	11
58	Acute Hypercapnia/Ischemia Alters the Esterification of Arachidonic Acid and Docosahexaenoic Acid Epoxide Metabolites in Rat Brain Neutral Lipids. <i>Lipids</i> , 2020, 55, 7-22.	0.7	11
59	Impact of diet-derived signaling molecules on human cognition: exploring the food-brain axis. <i>Npj Science of Food</i> , 2017, 1, 2.	2.5	10
60	Distribution of Free and Esterified Oxylipins in Cream, Cell, and Skim Fractions of Human Milk. <i>Lipids</i> , 2020, 55, 661-670.	0.7	10
61	Markedly raised intake of saturated and monounsaturated fatty acids in rats on a high-fat ketogenic diet does not inhibit carbon recycling of ^{13}C - α -linolenate. <i>Lipids</i> , 2006, 41, 933-935.	0.7	9
62	Assessing the link between omega-3 fatty acids, cardiac arrest, and sudden unexpected death in epilepsy. <i>Epilepsy and Behavior</i> , 2009, 14, 27-31.	0.9	9
63	Validation of a One-Step Method for Extracting Fatty Acids from Salmon, Chicken and Beef Samples. <i>Journal of Food Science</i> , 2017, 82, 2291-2297.	1.5	9
64	Characterization and Demulsification of the Oil-Rich Emulsion from the Aqueous Extraction Process of Almond Flour. <i>Processes</i> , 2020, 8, 1228.	1.3	9
65	Optimization of a Method for the Simultaneous Extraction of Polar and Non-Polar Oxylipin Metabolites, DNA, RNA, Small RNA, and Protein from a Single Small Tissue Sample. <i>Methods and Protocols</i> , 2020, 3, 61.	0.9	9
66	Linoleic acid-derived 13-hydroxyoctadecadienoic acid is absorbed and incorporated into rat tissues. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158870.	1.2	9
67	Brainstem Concentrations of Cholesterol are not Influenced by Genetic Ablation of the Low-Density Lipoprotein Receptor. <i>Neurochemical Research</i> , 2009, 34, 311-315.	1.6	8
68	Threshold changes in rat brain docosahexaenoic acid incorporation and concentration following graded reductions in dietary alpha-linolenic acid. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 105, 26-34.	1.0	8
69	Temperature and time-dependent effects of delayed blood processing on oxylipin concentrations in human plasma. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2019, 150, 31-37.	1.0	8
70	Intravenous fat induces changes in PUFA and their bioactive metabolites: Comparison between Japanese and Australian preterm infants. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 156, 102026.	1.0	8
71	Quantification of Nonpersistent Pesticides in Small Volumes of Human Breast Milk with Ultrahigh Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 6676-6689.	2.4	8
72	Commentary on the effects of a ketogenic diet enriched with omega-3 polyunsaturated fatty acids on plasma phospholipid fatty acid profile in children with drug-resistant epilepsy. <i>Epilepsy Research</i> , 2007, 76, 148-149.	0.8	7

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73	Diffusion of Protein Molecules through Microporous Nanofibrous Polyacrylonitrile Membranes. ACS Applied Polymer Materials, 2021, 3, 1618-1627.	2.0	6
74	Method optimization of oxylipin hydrolysis in nonprocessed bovine milk indicates that the majority of oxylipins are esterified. Journal of Food Science, 2021, 86, 1791-1801.	1.5	6
75	Glycoproteomic and Lipidomic Characterization of Industrially Produced Whey Protein Phospholipid Concentrate with Emphasis on Antimicrobial Xanthine Oxidase, Oxylipins and Small Milk Fat Globules. Dairy, 2022, 3, 277-302.	0.7	6
76	Antibiotic standards stored as a mixture in water: methanol are unstable at various temperatures irrespective of pH and glass container silanization. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2022, 39, 61-73.	1.1	5
77	Assessing the Metabolic and Toxic Effects of Anticonvulsant Doses of Polyunsaturated Fatty Acids on the Liver in Rats. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2009, 72, 1191-1200.	1.1	4
78	Effects of Potato Processing and Frying on Oxylipin Concentrations. ACS Food Science & Technology, 2021, 1, 1436-1443.	1.3	4
79	Advances in characterization of triacylglycerols: Expansion of materials used in Joint <scp>JOCS</scp>/<scp>AOCS</scp> Official Method Ch 3aâ€¹9. JAOCS, Journal of the American Oil Chemists' Society, 2022, 99, 535-540.	0.8	3
80	Imaging Brain DHA Metabolism in Vivo, in Animals, and Humans. , 2014, , 265-275.		2
81	D2-like receptor activation does not initiate a brain docosahexaenoic acid signal in unanesthetized rats. BMC Neuroscience, 2014, 15, 113.	0.8	2
82	Brain Arachidonic Acid Incorporation and Turnover are not Altered in the Flinders Sensitive Line Rat Model of Human Depression. Neurochemical Research, 2015, 40, 2293-2303.	1.6	2
83	Dietary Omega-3 Polyunsaturated Fatty Acid Deprivation Does Not Alter Seizure Thresholds but May Prevent the Anti-seizure Effects of Injected Docosahexaenoic Acid in Rats. Frontiers in Neurology, 2018, 9, 1188.	1.1	2
84	Long-chain omega-3 polyunsaturated fatty acids and neuroinflammation â€“ Efficacy may depend on dietary alpha-linolenic and linoleic acid background levels. Brain, Behavior, and Immunity, 2019, 76, 3-4.	2.0	2
85	Measuring peripheral markers of neuroinflammation in Alzheimerâ€™s disease â€“ Challenges and opportunities. Brain, Behavior, and Immunity, 2020, 88, 840-841.	2.0	2
86	Effects of hypercapnia / ischemia and dissection on the rat brain metabolome. Neurochemistry International, 2022, , 105294.	1.9	2
87	Chronic exposure to traffic-related air pollution reduces lipid mediators of linoleic acid and soluble epoxide hydrolase in serum of female rats. Environmental Toxicology and Pharmacology, 2022, 93, 103875.	2.0	2
88	Feeding mice a diet high in oxidized linoleic acid metabolites does not alter liver oxylipin concentrations. Prostaglandins Leukotrienes and Essential Fatty Acids, 2021, 172, 102316.	1.0	1
89	FACS 2019: Fatty Acid Metabolism and Oxidation. Prostaglandins Leukotrienes and Essential Fatty Acids, 2021, 170, 102266.	1.0	0
90	Fatâ€¹1 transgenic mice endogenously synthesizing high levels of nâˆ’3 PUFA are resistant to pentylenetetrazol induced seizures. FASEB Journal, 2007, 21, A322.	0.2	0

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91	Disturbed brain arachidonic acid metabolism in HIV-1 transgenic rats. FASEB Journal, 2011, 25, 105.5.	0.2	0