Asim K Duttaroy

List of Publications by Year
in descending order

158 papers	3,256 citations	126907 33 h-index	168389 53 g-index
197 all docs	197 docs citations	197 times ranked	3088 citing authors

#	Article	IF	Citations
1	Transport of fatty acids across the human placenta: A review. Progress in Lipid Research, 2009, 48, 52-61.	11.6	261
2	Is copper beneficial for COVID-19 patients?. Medical Hypotheses, 2020, 142, 109814.	1.5	155
3	Detection and cellular localization of plasma membrane-associated and cytoplasmic fatty acid-binding proteins in human placenta. Placenta, 1998, 19, 409-415.	1.5	124
4	Effects of kiwi fruit consumption on platelet aggregation and plasma lipids in healthy human volunteers. Platelets, 2004, 15, 287-292.	2.3	110
5	Preferential uptake of long chain polyunsaturated fatty acids by isolated human placental membranes. Molecular and Cellular Biochemistry, 1996, 155, 77-83.	3.1	106
6	Effects of tomato extract on human platelet aggregation in vitro. Platelets, 2001, 12, 218-227.	2.3	105
7	Role of Gut Microbiota and Their Metabolites on Atherosclerosis, Hypertension and Human Blood Platelet Function: A Review. Nutrients, 2021, 13, 144.	4.1	105
8	Effects of antiplatelet components of tomato extract on platelet function in vitro and ex vivo: a time-course cannulation study in healthy humans. American Journal of Clinical Nutrition, 2006, 84, 570-579.	4.7	96
9	Effects of tomato extract on platelet function: a double-blinded crossover study in healthy humans. American Journal of Clinical Nutrition, 2006, 84, 561-569.	4.7	95
10	Placental membrane fatty acid-binding protein preferentially binds arachidonic and docosahexaenoic acids. Life Sciences, 1998, 63, 235-240.	4.3	82
11	Plastics derived endocrineâ€disrupting compounds and their effects on early development. Birth Defects Research, 2020, 112, 1308-1325.	1.5	82
12	Docosahexaenoic acid stimulates tube formation in first trimester trophoblast cells, HTR8/SVneo. Placenta, 2011, 32, 626-632.	1.5	79
13	Vitamin E requirements, transport, and metabolism: Role of Î±-tocopherol-binding proteins. Journal of Nutritional Biochemistry, 1994, 5, 562-570.	4.2	73
14	Blood cell gene expression associated with cellular stress defense is modulated by antioxidant-rich food in a randomised controlled clinical trial of male smokers. BMC Medicine, 2010, 8, 54.	5.5	72
15	FruitflowÂ®: the first European Food Safety Authority-approved natural cardio-protective functional ingredient. European Journal of Nutrition, 2017, 56, 461-482.	3.9	69
16	Plasma Membrane Fatty-Acid-Binding Protein in Human Placenta: Identification and Characterization. Biochemical and Biophysical Research Communications, 1995, 209, 1011-1017.	2.1	67
17	Docosahexaenoic acid, 22:6nâ€3: Its roles in the structure and function of the brain. International Journal of Developmental Neuroscience, 2019, 79, 21-31.	1.6	67
18	Supplementation of a western diet with golden kiwifruits (Actinidia chinensis var.'Hort 16A':) effects on biomarkers of oxidation damage and antioxidant protection. Nutrition Journal, 2011, 10, 54.	3.4	61

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19	Plasma membrane fatty acid-binding protein (FABPpm) is exclusively located in the maternal facing membranes of the human placenta. FEBS Letters, 1995, 375, 227-230.	2.8	58
20	Maternal dietary fatty acids and their roles in human placental development. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 155, 102080.	2.2	57
21	Effects of fatty acids on angiogenic activity in the placental extravillious trophoblast cells. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 88, 155-162.	2.2	56
22	Inhibitory effect of aqueous extracts of some herbs on human platelet aggregation in vitro. Platelets, 2005, 16, 469-473.	2.3	52
23	Modulation of endothelium function by fatty acids. Molecular and Cellular Biochemistry, 2022, 477, 15-38.	3.1	48
24	Regulation of ADRP expression by long-chain polyunsaturated fatty acids in BeWo cells, a human placental choriocarcinoma cell line. Journal of Lipid Research, 2006, 47, 815-823.	4.2	47
25	Activation of LXR increases acyl-CoA synthetase activity through direct regulation of ACSL3 in human placental trophoblast cells. Journal of Lipid Research, 2010, 51, 1886-1896.	4.2	45
26	Fatty acid-induced angiogenesis in first trimester placental trophoblast cells: Possible roles of cellular fatty acid-binding proteins. Life Sciences, 2013, 93, 755-762.	4.3	43
27	Maternal Docosahexaenoic Acid Status during Pregnancy and Its Impact on Infant Neurodevelopment. Nutrients, 2020, 12, 3615.	4.1	42
28	Fatty acids and evolving roles of their proteins in neurological, cardiovascular disorders and cancers. Progress in Lipid Research, 2021, 83, 101116.	11.6	42
29	The immunoregulatory role of vitamins A, D and E in patients with primary Sjogren's syndrome. Rheumatology, 2010, 49, 211-217.	1.9	40
30	Bisphenol-A impairs cellular function and alters DNA methylation of stress pathway genes in first trimester trophoblast cells. Reproductive Toxicology, 2018, 82, 72-79.	2.9	39
31	Conjugated Linoleic Acid and Its Beneficial Effects in Obesity, Cardiovascular Disease, and Cancer. Nutrients, 2020, 12, 1913.	4.1	39
32	Leptin induces tube formation in first-trimester extravillous trophoblast cells. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2012, 164, 24-29.	1.1	37
33	Maternal Supply of Both Arachidonic and Docosahexaenoic Acids Is Required for Optimal Neurodevelopment. Nutrients, 2021, 13, 2061.	4.1	36
34	Long-chain Polyunsaturated Fatty Acids Stimulate Cellular Fatty Acid Uptake in Human Placental Choriocarcinoma (BeWo) Cells. Placenta, 2009, 30, 1037-1044.	1.5	35
35	Liver X receptors mediate inhibition of hCG secretion in a human placental trophoblast cell line. Placenta, 2005, 26, 721-728.	1.5	34
36	Maternal Fatty Acid Metabolism in Pregnancy and Its Consequences in the Feto-Placental Development. Frontiers in Physiology, 2021, 12, 787848.	2.8	34

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37	Current understanding of the mesenchymal stem cell-derived exosomes in cancer and aging. Biotechnology Reports (Amsterdam, Netherlands), 2021, 31, e00658.	4.4	32
38	A randomised controlled trial comparing a dietary antiplatelet, the water-soluble tomato extract Fruitflow, with 75â€‰mg aspirin in healthy subjects. European Journal of Clinical Nutrition, 2017, 71, 723-730.	2.9	31
39	cis-9,trans-11 conjugated linoleic acid stimulates expression of angiopoietin like-4 in the placental extravillous trophoblast cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 834-843.	2.4	28
40	Postprandial activation of hemostatic factors: Role of dietary fatty acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 72, 381-391.	2.2	27
41	Inhibitory effects of kiwifruit extract on human platelet aggregation and plasma angiotensin-converting enzyme activity. Platelets, 2014, 25, 567-575.	2.3	27
42	The interplay between glucose and fatty acids on tube formation and fatty acid uptake in the first trimester trophoblast cells, HTR8/SVneo. Molecular and Cellular Biochemistry, 2015, 401, 11-19.	3.1	26
43	Maternal dietary deficiency of n-3 fatty acids affects metabolic and epigenetic phenotypes of the developing fetus. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 158, 102109.	2.2	25
44	Inhibition of angiotensin-converting enzyme by aqueous extract of tomato. European Journal of Nutrition, 2014, 53, 1699-1706.	3.9	24
45	Curcumin stimulates angiogenesis through VEGF and expression of HLAâ€G in firstâ€trimester human placental trophoblasts. Cell Biology International, 2020, 44, 1237-1251.	3.0	24
46	Consumption of Fruitflow^{Â®} lowers blood pressure in pre-hypertensive males: a randomised, placebo controlled, double blind, cross-over study. International Journal of Food Sciences and Nutrition, 2018, 69, 494-502.	2.8	22
47	Tube formation in the first trimester placental trophoblast cells: Differential effects of angiogenic growth factors and fatty acids. Cell Biology International, 2016, 40, 652-661.	3.0	21
48	Connective tissue growth factor induces tube formation and IL-8 production in first trimester human placental trophoblast cells. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2014, 181, 183-188.	1.1	18
49	Cellular growth and tube formation of HTR8/SVneo trophoblast: effects of exogenously added fatty acid-binding protein-4 and its inhibitor. Molecular and Cellular Biochemistry, 2018, 437, 55-64.	3.1	18
50	Maternal n-3 PUFA deficiency alters uterine artery remodeling and placental epigenome in the mice. Journal of Nutritional Biochemistry, 2021, 96, 108784.	4.2	16
51	A Comprehensive Cancer-Associated MicroRNA Expression Profiling and Proteomic Analysis of Human Umbilical Cord Mesenchymal Stem Cell-Derived Exosomes. Tissue Engineering and Regenerative Medicine, 2022, 19, 1013-1031.	3.7	16
52	Acyl-CoA thioesterase activity in human placental choriocarcinoma (BeWo), cells: effects of fatty acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2003, 68, 43-48.	2.2	15
53	Insulin and leptin do not affect fatty acid uptake and metabolism in human placental choriocarcinoma (BeWo) cells. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 72, 403-408.	2.2	15
54	Maternal PUFAs, Placental Epigenetics, and Their Relevance to Fetal Growth and Brain Development. Reproductive Sciences, 2023, 30, 408-427.	2.5	14

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55	Compliance, tolerability and safety of two antioxidant-rich diets: a randomised controlled trial in male smokers. British Journal of Nutrition, 2011, 106, 557-571.	2.3	13
56	Cardioprotective Properties of Kiwifruit. Advances in Food and Nutrition Research, 2013, 68, 273-282.	3.0	13
57	Fetal growth and development: roles of fatty acid transport proteins and nuclear transcription factors in human placenta. Indian Journal of Experimental Biology, 2004, 42, 747-57.	0.0	13
58	Docosahexaenoic acid supports fetoâ€placental growth and protects cardiovascular and cognitive function: A mini review. European Journal of Lipid Science and Technology, 2016, 118, 1439-1449.	1.5	12
59	Dietary Fats and the Gut Microbiota: Their impacts on lipid-induced metabolic syndrome. Journal of Functional Foods, 2022, 91, 105026.	3.4	12
60	Functional Implications and Clinical Potential of MicroRNAs in Irritable Bowel Syndrome: A Concise Review. Digestive Diseases and Sciences, 2023, 68, 38-53.	2.3	12
61	Fatty acid uptake by breast cancer cells (MDA-MB-231): Effects of insulin, leptin, adiponectin, and TNFÎ±. Prostaglandins Leukotrienes and Essential Fatty Acids, 2009, 80, 93-99.	2.2	11
62	Dietary Antiplatelets: A New Perspective on the Health Benefits of the Water-Soluble Tomato Concentrate FruitflowÂ®. Nutrients, 2021, 13, 2184.	4.1	11
63	Title is missing!. Molecular and Cellular Biochemistry, 2002, 239, 203-211.	3.1	10
64	Prenatal exposure to bisphenol S and bisphenol A differentially affects male reproductive system in the adult offspring. Food and Chemical Toxicology, 2022, 167, 113292.	3.6	10
65	Intracellular Lipid Binding Proteins: Evolution, Structure, and Ligand Binding. , 0, , 95-118.		9
66	Fatty acid-activated nuclear transcription factors and their roles in human placenta. European Journal of Lipid Science and Technology, 2006, 108, 70-83.	1.5	9
67	Insulin-dependent, glucose transporter 1 mediated glucose uptake and tube formation in the human placental first trimester trophoblast cells. Molecular and Cellular Biochemistry, 2019, 451, 91-106.	3.1	8
68	Platelet hyperactivity in COVID-19: Can the tomato extract FruitflowÂ® be used as an antiplatelet regime?. Medical Hypotheses, 2021, 147, 110480.	1.5	8
69	Fatty Acid Binding Proteins of the Brain. , 0, , 253-265.		7
70	Essentiality, relevance, and efficacy of adjuvant/combinational therapy in the management of thyroid dysfunctions. Biomedicine and Pharmacotherapy, 2022, 146, 112613.	5.6	7
71	Fatty acid-binding protein3 expression in BeWo cells, a human placental choriocarcinoma cell line. Prostaglandins Leukotrienes and Essential Fatty Acids, 2017, 120, 1-7.	2.2	6
72	Regulation of functional foods in European Union. , 2019, , 267-276.		6

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73	Arachidonic acid stimulates internalisation of leptin by human placental choriocarcinoma (BeWo) cells. Biochemical and Biophysical Research Communications, 2002, 299, 432-437.	2.1	5
74	Evaluation of the equivalence of different intakes of Fruitflow in affecting platelet aggregation and thrombin generation capacity in a randomized, double-blinded pilot study in male subjects. BMC Nutrition, 2021, 7, 80.	1.6	5
75	Structure-Function of CD36 and Evidence for its Role in Facilitating Membrane Fatty Acid Transport. , 0, , 1-29.		4
76	Docosahexaenoic acid and angiogenesis: a role in early placentation. Clinical Lipidology, 2012, 7, 303-312.	0.4	4
77	Structure, Function, and Phylogeny of Acyl-CoA Binding Protein. , 0, , 151-171.		3
78	Albumin Receptorsâ€“ Structure and Function. , 0, , 79-94.		3
79	A review on interplay between small RNAs and oxidative stress in cancer progression. Molecular and Cellular Biochemistry, 2021, 476, 4117-4131.	3.1	3
80	Origin and Structural Biology of Novel Coronavirus (SARS-CoV-2). Advances in Experimental Medicine and Biology, 2021, 1352, 1-13.	1.6	3
81	Cytoplasmic fatty acid-binding proteins in metabolic diseases and cancers. Advances in Protein Chemistry and Structural Biology, 2022, , 143-174.	2.3	3
82	Intestinal Fat Absorption: Roles of Intracellular Lipid-Binding Proteins and Peroxisome Proliferator-Activated Receptors. , 0, , 359-381.		2
83	Consumption of tomatoes reduces the cardiovascular disease. Journal of the Bangladesh Association of Young Researchers, 2012, 1, 1-14.	0.0	2
84	Can interruption of innate immune recognition-mediated emergency myelopoiesis impede tumor progression?. Medical Hypotheses, 2021, 155, 110663.	1.5	2
85	Therapy and clinical trials. Current Opinion in Lipidology, 2002, 13, 585-587.	2.7	1
86	Therapy and clinical trials. Current Opinion in Lipidology, 2003, 14, 397-399.	2.7	1
87	Cross-Talk between Intracellular Lipid Binding Proteins and Ligand Activated Nuclear Receptorsâ€“ A Signaling Pathway for Fatty Acids. , 0, , 267-283.		1
88	Fatty Acid Binding Proteins and Fatty Acid Transport. , 0, , 119-133.		1
89	PPARs: Nuclear Hormone Receptors Involved in the Control of Inflammation. , 0, , 419-435.		1
90	Role of FABP in Cellular Phospholipid Metabolism. , 0, , 327-342.		1

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91	Therapy and clinical trials. Current Opinion in Lipidology, 2008, 19, 330-332.	2.7	1
92	Placental Epigenetics and Its Importance in Placental Development. , 2016, , 129-137.		1
93	Endocrine Factors and Their Effects on Placentation. , 2016, , 91-100.		1
94	Polyphenols and cancer. , 2021, , 239-251.		1
95	Health effects of terpenoids. , 2021, , 413-424.		1
96	Polysaccharides on the gut microbiome and epigenome. , 2021, , 129-137.		1
97	Special Issue â€œMaternal DHA Impact on Child Neurodevelopmentâ€• Nutrients, 2021, 13, 2209.	4.1	1
98	Gut microbiota on human health and disease. , 2021, , 269-281.		1
99	Polyphenols and their impacts on the host epigenome and the gut microbiome. , 2021, , 225-237.		1
100	PPARs and Cancer. , 0, , 437-448.		1
101	Structure and Function of Retinoid Receptors RAR and RXR. , 0, , 191-207.		0
102	Function, Expression, and Regulation of Human ABC Transporters. , 0, , 39-78.		0
103	Structure and Function of SCP-x/SCP-2. , 0, , 135-149.		0
104	PPARs, Cell Differentiation, and Glucose Homeostasis. , 0, , 309-326.		0
105	Fatty Acid Binding Proteins and Their Roles in Transport of Long-Chain Polyunsaturated Fatty Acids across the Feto-Placental Unit. , 0, , 239-252.		0
106	Membrane-Associated Fatty Acid Binding Proteins Regulate Fatty Acid Uptake by Cardiac and Skeletal Muscle. , 0, , 343-358.		0
107	Role of Lipid Binding Proteins in Disease. , 0, , 397-400.		0
108	PPARs in Atherosclerosis. , 0, , 401-417.		0

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109	Fatty Acid Binding Proteins as Metabolic Regulators. , 0, , 383-395.		0
110	Structure and Function of PPARs and Their Molecular Recognition of Fatty Acids. , 0, , 173-189.		0
111	Liver X Receptors (LXRs)â€“ Important Regulators of Lipid Homeostasis. , 0, , 209-223.		0
112	Role and Function of FATPs in Fatty Acid Uptake. , 0, , 31-38.		0
113	Therapy and clinical trials. Current Opinion in Lipidology, 2004, 15, 377-379.	2.7	0
114	Therapy and clinical trials. Current Opinion in Lipidology, 2005, 16, 497-499.	2.7	0
115	Third Throne Holst foundation symposium. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 73, 1.	2.2	0
116	Therapy and clinical trials. Current Opinion in Lipidology, 2006, 17, 492-494.	2.7	0
117	Therapy and clinical trials. Current Opinion in Lipidology, 2007, 18, 384-386.	2.7	0
118	Dietary Fatty Acids and Placentation. , 2016, , 39-50.		0
119	Sources of Key Nutrients for Successful Placentation. , 2016, , 151-159.		0
120	Glucose and Amino Acid and Their Roles in Placentation. , 2016, , 23-38.		0
121	B Vitamins and Their Role on Trophoblast Growth and Development. , 2016, , 51-68.		0
122	Regulation of Placentation by Environmental Factors. , 2016, , 119-128.		0
123	Food & Nutrition Research with new aims and scope. Food and Nutrition Research, 2018, 62, .	2.6	0
124	Bioactive lipids in immune cells function and immune disorders. , 2021, , 47-61.		0
125	Bioactive lipids and their metabolism, function, and sources. , 2021, , 1-19.		0
126	Bioactive lipids on platelet function and plateletâ€“vessel-wall interactions. , 2021, , 103-113.		0

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127	Bioactive lipids in metabolic syndromes and hemostatic factors and fibrinolysis. , 2021, , 63-78.		0
128	Gut microbiota and lipid metabolism and metabolic syndrome. , 2021, , 283-293.		0
129	Bioactive lipids and their impacts on epigenetics. , 2021, , 21-30.		0
130	Polyphenols and their effects on metabolic syndromes and other CVD risk factors. , 2021, , 253-267.		0
131	Polyphenols in neuroprotection and brain disorders. , 2021, , 207-224.		0
132	Gut microbiota and obesity and the body weight regulation. , 2021, , 355-373.		0
133	Polyphenols and their antioxidant and nonantioxidant effects in health and disease. , 2021, , 191-206.		0
134	Volatile bioactive compounds: source and activity. , 2021, , 435-441.		0
135	Bioactive lipids and brain function: from their mechanistic roles to clinical trials. , 2021, , 79-101.		0
136	Bioactive peptides and proteins on hypertension and endothelium function. , 2021, , 391-404.		0
137	Polysaccharides and immune function. , 2021, , 155-167.		0
138	Bioactive lipids in cancers. , 2021, , 31-45.		0
139	Polysaccharides and their bioactivity and biomedical applications. , 2021, , 139-154.		0
140	Gut microbiota and hypertension, diabetes, and other cardiovascular risk factors. , 2021, , 375-390.		0
141	Cardioprotective properties of water-soluble compounds of tomato. , 2021, , 443-450.		0
142	Clinical use of curcumin. , 2021, , 425-434.		0
143	Polysaccharides and cancer. , 2021, , 179-189.		0
144	Gut microbiota and their effects on atherosclerosis, platelet function, and hypertension. , 2021, , 295-309.		0

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145	Polysaccharide on diabetes, obesity, and other cardiovascular disease risk factors. , 2021, , 115-128.		0
146	Gut microbiota and the immune system and inflammation. , 2021, , 311-333.		0
147	Gut microbiota and brain function and pathophysiology. , 2021, , 335-354.		0
148	Polysaccharides on metabolic syndromes and dyslipidemia. , 2021, , 169-178.		0
149	Bioactive alkaloids. , 2021, , 405-412.		0
150	Gene Regulation, microRNA, and Placentation. , 2016, , 139-149.		0
151	Fat-Soluble and Antioxidant Vitamins and Minerals: Their Roles in Placentation. , 2016, , 69-89.		0
152	Editorial: A brief Food & Nutrition Research status update. Food and Nutrition Research, 2016, 60, 33092.	2.6	0
153	Early Placentation Processes. , 2016, , 13-21.		0
154	New changes in the journal. Food and Nutrition Research, 2016, 60, 34018.	2.6	0
155	Clinical Features, Diagnostic Evaluation, and Management of COVID-19 Patients. Advances in Experimental Medicine and Biology, 2021, 1353, 1-22.	1.6	0
156	Epidemiology, Transmission, and Molecular Immunopathology of SARS-CoV-2. Advances in Experimental Medicine and Biology, 2021, 1352, 33-44.	1.6	0
157	Acyl-CoA Ligands of HNF-4Î± and HNF-4Î±/PPARÎ± Interplay. , 0, , 225-238.		0
158	Arachidonic Acid Binding Proteins in Human Neutrophils. , 0, , 285-307.		0