

# Lynette K Rogers

## List of Publications by Year in descending order

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109  
papers

2,450  
citations

172386

29  
h-index

243529

44  
g-index

113  
all docs

113  
docs citations

113  
times ranked

3737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maternal inflammation, growth retardation, and preterm birth: Insights into adult cardiovascular disease. <i>Life Sciences</i> , 2011, 89, 417-421.	2.0	163
2	DHA supplementation: Current implications in pregnancy and childhood. <i>Pharmacological Research</i> , 2013, 70, 13-19.	3.1	107
3	Deficits in lung alveolarization and function after systemic maternal inflammation and neonatal hyperoxia exposure. <i>Journal of Applied Physiology</i> , 2010, 108, 1347-1356.	1.2	99
4	Methods for the Determination of Plasma or Tissue Glutathione Levels. <i>Methods in Molecular Biology</i> , 2012, 889, 315-324.	0.4	87
5	Detection of reversible protein thiol modifications in tissues. <i>Analytical Biochemistry</i> , 2006, 358, 171-184.	1.1	78
6	Maternal high fat diet exposure is associated with increased hepcidin levels, decreased myelination, and neurobehavioral changes in male offspring. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 369-378.	2.0	69
7	Oxidative stress in the lung – The essential paradox. <i>Current Opinion in Toxicology</i> , 2018, 7, 37-43.	2.6	69
8	Glutathione Reductase Facilitates Host Defense by Sustaining Phagocytic Oxidative Burst and Promoting the Development of Neutrophil Extracellular Traps. <i>Journal of Immunology</i> , 2012, 188, 2316-2327.	0.4	65
9	Attenuation of <i>miR-17</i> Cluster in Bronchopulmonary Dysplasia. <i>Annals of the American Thoracic Society</i> , 2015, 12, 1506-1513.	1.5	57
10	Thioredoxin Reductase Inhibition Elicits Nrf2-Mediated Responses in Clara Cells: Implications for Oxidant-Induced Lung Injury. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1407-1416.	2.5	53
11	Altered Expressions of Fibroblast Growth Factor Receptors and Alveolarization in Neonatal Mice Exposed to 85% Oxygen. <i>Pediatric Research</i> , 2007, 62, 652-657.	1.1	49
12	Analyses of Glutathione Reductase Hypomorphic Mice Indicate a Genetic Knockout. <i>Toxicological Sciences</i> , 2004, 82, 367-373.	1.4	48
13	miR-29b supplementation decreases expression of matrix proteins and improves alveolarization in mice exposed to maternal inflammation and neonatal hyperoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L339-L349.	1.3	48
14	Differential Responses in the Lungs of Newborn Mouse Pups Exposed to 85% or >95% Oxygen. <i>Pediatric Research</i> , 2009, 65, 33-38.	1.1	47
15	Systemic Maternal Inflammation and Neonatal Hyperoxia Induces Remodeling and Left Ventricular Dysfunction in Mice. <i>PLoS ONE</i> , 2011, 6, e24544.	1.1	47
16	Maternal Docosahexaenoic Acid Supplementation Decreases Lung Inflammation in Hyperoxia-Exposed Newborn Mice. <i>Journal of Nutrition</i> , 2011, 141, 214-222.	1.3	47
17	Thioredoxin-Related Mechanisms in Hyperoxic Lung Injury in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007, 37, 405-413.	1.4	46
18	Thioredoxin Reductase Inhibition Attenuates Neonatal Hyperoxic Lung Injury and Enhances Nuclear Factor E2-Related Factor 2 Activation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 419-428.	1.4	45

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19	̈̈-3 and ̈̈-6 Fatty Acid Supplementation May Reduce Autism Symptoms Based on Parent Report in Preterm Toddlers. <i>Journal of Nutrition</i> , 2018, 148, 227-235.	1.3	44
20	Glutathione reductase is essential for host defense against bacterial infection. <i>Free Radical Biology and Medicine</i> , 2013, 61, 320-332.	1.3	43
21	Maternal Dietary Docosahexaenoic Acid Supplementation Attenuates Fetal Growth Restriction and Enhances Pulmonary Function in a Newborn Mouse Model of Perinatal Inflammation. <i>Journal of Nutrition</i> , 2014, 144, 258-266.	1.3	42
22	Randomized Controlled Trial of Docosahexaenoic Acid Supplementation in Midwestern U.S. Human Milk Donors. <i>Breastfeeding Medicine</i> , 2013, 8, 86-91.	0.8	41
23	Plasma Asymmetric Dimethylarginine Levels Are Increased in Neonates with Bronchopulmonary Dysplasia-Associated Pulmonary Hypertension. <i>Journal of Pediatrics</i> , 2015, 166, 230-233.	0.9	36
24	Effect of Docosahexaenoic Acid Supplementation vs Placebo on Developmental Outcomes of Toddlers Born Preterm. <i>JAMA Pediatrics</i> , 2018, 172, 1126.	3.3	36
25	Prenatal inflammation exacerbates hyperoxia-induced functional and structural changes in adult mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R279-R290.	0.9	35
26	Enhanced Steatosis and Fibrosis in Liver of Adult Offspring Exposed to Maternal High-Fat Diet. <i>Gene Expression</i> , 2016, 17, 47-59.	0.5	35
27	The Thioredoxin Reductase-1 Inhibitor Aurothioglucose Attenuates Lung Injury and Improves Survival in a Murine Model of Acute Respiratory Distress Syndrome. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2681-2691.	2.5	32
28	Higher dose docosahexaenoic acid supplementation during pregnancy and early preterm birth: A randomised, double-blind, adaptive-design superiority trial. <i>EClinicalMedicine</i> , 2021, 36, 100905.	3.2	32
29	Adverse perinatal environment contributes to altered cardiac development and function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1334-H1340.	1.5	31
30	Lactational Stage of Pasteurized Human Donor Milk Contributes to Nutrient Limitations for Infants. <i>Nutrients</i> , 2017, 9, 302.	1.7	30
31	Alterations of the Thioredoxin System by Hyperoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 612-619.	1.4	27
32	Assessment of DHA on reducing early preterm birth: the ADORE randomized controlled trial protocol. <i>BMC Pregnancy and Childbirth</i> , 2017, 17, 62.	0.9	27
33	Nuclear and Nucleolar Glutathione Reductase, Peroxidase, and Transferase Activities in Livers of Male and Female Fischer-344 Rats. <i>Toxicological Sciences</i> , 2002, 69, 279-285.	1.4	26
34	Perinatal inflammation results in decreased oligodendrocyte numbers in adulthood. <i>Life Sciences</i> , 2014, 94, 164-171.	2.0	26
35	Oxidative Stress Promotes Corticosteroid Insensitivity in Asthma and COPD. <i>Antioxidants</i> , 2021, 10, 1335.	2.2	26
36	Cyclooxygenase-2 in newborn hyperoxic lung injury. <i>Free Radical Biology and Medicine</i> , 2013, 61, 502-511.	1.3	25

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37	Endothelial permeability following coronary artery bypass grafting: an observational study on the possible role of angiotensin II imbalance. <i>Critical Care</i> , 2016, 20, 51.	2.5	25
38	Secondhand smoke alters arachidonic acid metabolism and inflammation in infants and children with cystic fibrosis. <i>Thorax</i> , 2019, 74, 237-246.	2.7	25
39	A single nucleotide polymorphism in the dimethylarginine dimethylaminohydrolase gene is associated with lower risk of pulmonary hypertension in bronchopulmonary dysplasia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, e170-5.	0.7	24
40	Maternal high-fat diet alters lung development and function in the offspring. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L167-L174.	1.3	23
41	Lipopolysaccharide-induced Cyclooxygenase-2 Expression in Mouse Transformed Clara Cells. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 213-222.	1.1	22
42	Differential cardiotoxicity in response to chronic doxorubicin treatment in male spontaneous hypertension-heart failure (SHHF), spontaneously hypertensive (SHR), and Wistar Kyoto (WKY) rats. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 47-57.	1.3	22
43	Of mice and men: correlations between microRNA-17a <sup>1/492</sup> cluster expression and promoter methylation in severe bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L981-L984.	1.3	22
44	Effect of Omega-3 and -6 Supplementation on Language in Preterm Toddlers Exhibiting Autism Spectrum Disorder Symptoms. <i>Journal of Autism and Developmental Disorders</i> , 2017, 47, 3358-3369.	1.7	22
45	DHA suppresses chronic apoptosis in the lung caused by perinatal inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L441-L448.	1.3	20
46	Alternative Expression and Localization of Profilin 1/VASPPS157 and Cofilin 1/VASPPS239 Regulates Metastatic Growth and Is Modified by DHA Supplementation. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 2220-2231.	1.9	19
47	PEG 3350 Administration Is Not Associated with Sustained Elevation of Glycol Levels. <i>Journal of Pediatrics</i> , 2018, 195, 148-153.e1.	0.9	19
48	Associations between Maternal and Infant Morbidities and sRAGE within the First Week of Life in Extremely Preterm Infants. <i>PLoS ONE</i> , 2013, 8, e82537.	1.1	19
49	A pilot study of depot medroxyprogesterone acetate pharmacokinetics and weight gain in adolescent females. <i>Contraception</i> , 2014, 89, 357-360.	0.8	18
50	Serine phosphorylation of vasodilator-stimulated phosphoprotein (VASP) regulates colon cancer cell survival and apoptosis. <i>Life Sciences</i> , 2015, 123, 1-8.	2.0	18
51	Bone Mineral Density and Weight Changes in Adolescents Randomized to 3 Doses of Depot Medroxyprogesterone Acetate. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2017, 30, 169-175.	0.3	18
52	DHA Suppresses Primary Macrophage Inflammatory Responses via Notch 1/Jagged 1 Signaling. <i>Scientific Reports</i> , 2016, 6, 22276.	1.6	17
53	Nurr1 expression is modified by inflammation in microglia. <i>NeuroReport</i> , 2016, 27, 1120-1127.	0.6	17
54	Thioredoxin Reductase-1 Inhibition Augments Endogenous Glutathione-Dependent Antioxidant Responses in Experimental Bronchopulmonary Dysplasia. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-10.	1.9	17

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55	Glutathione Reductase Promotes Fungal Clearance and Suppresses Inflammation during Systemic <i>Candida albicans</i> Infection in Mice. <i>Journal of Immunology</i> , 2019, 203, 2239-2251.	0.4	16
56	Glutathione reductase deficiency alters lung development and hyperoxic responses in neonatal mice. <i>Redox Biology</i> , 2021, 38, 101797.	3.9	16
57	Nutrition Support Team Guide to Maternal Diet for the Human Milk-Fed Infant. <i>Nutrition in Clinical Practice</i> , 2018, 33, 687-693.	1.1	15
58	Omega-3 and -6 fatty acid supplementation and sensory processing in toddlers with ASD symptomology born preterm: A randomized controlled trial. <i>Early Human Development</i> , 2017, 115, 64-70.	0.8	14
59	Antenatal N-acetylcysteine to improve outcomes of premature infants with intra-amniotic infection and inflammation (Triple I): randomized clinical trial. <i>Pediatric Research</i> , 2021, 89, 175-184.	1.1	14
60	Plasma lipid metabolites are associated with gestational age but not bronchopulmonary dysplasia. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012, 101, e321-6.	0.7	13
61	Tobacco Metabolites and Caffeine in Human Milk Purchased via the Internet. <i>Breastfeeding Medicine</i> , 2015, 10, 419-424.	0.8	13
62	Arginase and $\alpha$ -smooth muscle actin induction after hyperoxic exposure in a mouse model of bronchopulmonary dysplasia. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 556-562.	0.9	13
63	A Randomized Trial of Maternal Docosahexaenoic Acid Supplementation to Reduce Inflammation in Extremely Preterm Infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 69, 388-392.	0.9	13
64	Neonatal Hyperoxic Exposure Persistently Alters Lung Secretoglobins and Annexin A1. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	12
65	Aurothioglucose does not improve alveolarization or elicit sustained Nrf2 activation in C57BL/6 models of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L736-L742.	1.3	12
66	Hyperoxia Exposure Alters Hepatic Eicosanoid Metabolism in Newborn Mice. <i>Pediatric Research</i> , 2010, 67, 144-149.	1.1	11
67	Alterations in VASP phosphorylation and profilin1 and cofilin1 expression in hyperoxic lung injury and BPD. <i>Respiratory Research</i> , 2018, 19, 229.	1.4	10
68	Perinatal inflammation alters histone 3 and histone 4 methylation patterns: Effects of MiR-29b supplementation. <i>Redox Biology</i> , 2021, 38, 101783.	3.9	10
69	Auranofin-Mediated NRF2 Induction Attenuates Interleukin 1 Beta Expression in Alveolar Macrophages. <i>Antioxidants</i> , 2021, 10, 632.	2.2	10
70	MiR-29b is associated with perinatal inflammation in extremely preterm infants. <i>Pediatric Research</i> , 2021, 89, 889-893.	1.1	8
71	Cervical and systemic concentrations of long acting hormonal contraceptive (LARC) progestins depend on delivery method: Implications for the study of HIV transmission. <i>PLoS ONE</i> , 2019, 14, e0214152.	1.1	7
72	Perinatal Inflammation Induces Sex-related Differences in Cardiovascular Morbidities in Mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H573-H579.	1.5	6

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73	Higher-Dose DHA Supplementation Modulates Immune Responses in Pregnancy and Is Associated with Decreased Preterm Birth. <i>Nutrients</i> , 2021, 13, 4248.	1.7	6
74	The role of oxidative stress in toxicities due to drugs of abuse. <i>Current Opinion in Toxicology</i> , 2020, 20-21, 29-35.	2.6	5
75	Cyclooxygenase-2 deficiency attenuates lipopolysaccharide-induced inflammation, apoptosis, and acute lung injury in adult mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 322, R126-R135.	0.9	5
76	Optimizing miR-29 measurements in biobanked, heparinized samples. <i>Life Sciences</i> , 2019, 238, 116894.	2.0	4
77	Measurement of Arginine Metabolites: Regulators of Nitric Oxide Metabolism. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , 2013, 58, Unit 17.16..	1.1	3
78	DHA-mediated regulation of lung cancer cell migration is not directly associated with Gelsolin or Vimentin expression. <i>Life Sciences</i> , 2016, 155, 1-9.	2.0	3
79	Changes in Vasodilator-Stimulated Phosphoprotein Phosphorylation, Profilin-1, and Cofilin-1 in Accreta and Protection by DHA. <i>Reproductive Sciences</i> , 2019, 26, 757-765.	1.1	3
80	Cellular targets of oxidative stress. <i>Current Opinion in Toxicology</i> , 2020, 20-21, 48-54.	2.6	2
81	Docosahexaenoic and arachidonic acid supplementation at 1Âyear has mixed effects on development and behaviour at age 2 for preterm children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 2082-2083.	0.7	2
82	Differences in clinical and laboratory biomarkers for short and long-term respiratory outcomes in preterm neonates. <i>Pediatric Pulmonology</i> , 2021, 56, 3847-3856.	1.0	2
83	Thioredoxinâ€1 mediates hypoxiaâ€induced pulmonary artery smooth muscle cell proliferation. <i>FASEB Journal</i> , 2012, 26, 873.10.	0.2	2
84	Randomized Controlled Trial of Omega-3 and -6 Fatty Acid Supplementation to Reduce Inflammatory Markers in Children with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2022, , 1.	1.7	2
85	Stress Adaptation and the Resilience of Youth: Fact or Fiction?. <i>Physiology</i> , 2014, 29, 156-156.	1.6	1
86	Evidence of a Dose-Response Relationship Between Medroxyprogesterone Acetate and Bone Mineral Density Loss in Adolescents. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2016, 29, 159.	0.3	1
87	9: Randomized controlled trial of n-acetylcysteine to prevent adverse neonatal outcome in pregnancies with intra-amniotic infection/inflammation. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, S9.	0.7	1
88	Acetaminophen and Aspirin Overdose in an Extremely Preterm Neonate. <i>FASEB Journal</i> , 2018, 32, lb643.	0.2	1
89	DHA Supplementation Attenuates Inflammation-Associated Gene Expression in the Mammary Gland of Lactating Mothers Who Deliver Preterm. <i>Journal of Nutrition</i> , 2022, 152, 1404-1414.	1.3	1
90	Linkage between In Utero Environmental Changes and Preterm Birth. , 2016, , 377-387.		0

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91	Supplementing Essential Polyunsaturated Fatty Acidsâ€”A Matter of Respecting Fetal Developmentâ€”Reply. JAMA Pediatrics, 2019, 173, 500.	3.3	0
92	Higher Dose Docosahexaenoic Acid Supplementation During Pregnancy and&nbsp;Early Preterm Birth: A Randomised, Double-Blind, Adaptive-Design Superiority Trial. SSRN Electronic Journal, 0, , .	0.4	0
93	Inflammation Associated Gene Expression in the Mammary Gland of Lactating Mothers Who Delivered Preterm and Were Randomly Assigned to a Standard vs Increased DHA Supplement. Current Developments in Nutrition, 2021, 5, 704.	0.1	0
94	Aspirin Therapy Enhances Lung Alveolarization in Newborn Pups Exposed to Neonatal Hyperoxia. FASEB Journal, 2011, 25, 660.4.	0.2	0
95	Moderate hyperoxia treatment increases glutathione levels during direct LPSâ€”induced lung injury in mice. FASEB Journal, 2012, 26, 692.10.	0.2	0
96	Docosahexaenoic Acid (DHA) and Amino Acids (AA) are limiting in Pasteurized Donor Milk from a Cross Sectional Sampling in The North American Milk Banks. FASEB Journal, 2012, 26, 44.4.	0.2	0
97	Maternal dietary Docosahexaenoic acid (DHA) supplementation prevents fetal growth restriction and pulmonary fibrosis caused by perinatal inflammation. FASEB Journal, 2013, 27, 247.4.	0.2	0
98	Perinatal inflammation and oxidative stress induce fetal cardiac dysfunction. FASEB Journal, 2013, 27, 1187.1.	0.2	0
99	Abstract 4057: Modulation of actin binding proteins by docosahexaenoic acid reduces cancer cell migration. , 2014, , .		0
100	Genetic variation in the FADS gene family and Docosahexaenoic Acid (DHA) Levels in Randomized trial of DHAâ€”Supplemented Mothers. FASEB Journal, 2015, 29, 598.23.	0.2	0
101	Abstract 1444: Docosahexaenoic acid reduces cancer cell migration may link with actin binding proteins and miRNA 17-92 cluster expressions changes. , 2015, , .		0
102	Abstract 5071: Expression and cellular distribution of Profilin1/VASPP157and cofilin1/VASPP239is altered by docosahexaenoic acid and suppresses cancer cell migration and survival. , 2016, , .		0
103	Maternal High Fat Diet Causes Changes in Pulmonary Function and Persistent Deficits in Pulmonary Vascularization. FASEB Journal, 2018, 32, 916.2.	0.2	0
104	Liposomal Delivery of miRâ€”29b Restored PRMT â€”1 and PRMTâ€”5 Expression and Histone Methylation in Mice Exposed to Perinatal Inflammation. FASEB Journal, 2018, 32, 916.1.	0.2	0
105	Acute Exposure to Eâ€”Cigarette Vapor Causes Changes in Apoptotic Pathways in the Lung. FASEB Journal, 2019, 33, 802.21.	0.2	0
106	Perinatal Inflammation Results in Altered Histone 3 and Histone 4 Methylation Patterns. FASEB Journal, 2019, 33, 578.3.	0.2	0
107	Systemic Maternal Inflammation and Postnatal Hyperoxia Induces Early Life Cardiovascular Abnormalities in Mice. FASEB Journal, 2019, 33, 578.4.	0.2	0
108	MiRâ€”29b levels in Cord Blood from Preterm Infants Are Associated with Fetal Inflammation. FASEB Journal, 2019, 33, 713.6.	0.2	0

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109	The Impact of Perinatal Exposure to Inflammation and Hyperoxia on the MicroRNA Profile of the Developing Heart. FASEB Journal, 2020, 34, 1-1.	0.2	0