Maria-Angela Guzzardi

List of Publications by Year
in descending order

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60 papers	2,179 citations	430442 18 h-index	233125 45 g-index
61 all docs	61 docs citations	61 times ranked	3916 citing authors

#	Article	IF	Citations
1	Leptin resistance before and after obesity: evidence that tissue glucose uptake underlies adipocyte enlargement and liver steatosis/steatohepatitis in Zucker rats from early-life stages. International Journal of Obesity, 2022, 46, 50-58.	1.6	9
2	Maternal pre-pregnancy overweight and neonatal gut bacterial colonization are associated with cognitive development and gut microbiota composition in pre-school-age offspring. Brain, Behavior, and Immunity, 2022, 100, 311-320.	2.0	32
3	Evidence of a Gastro-Duodenal Effect on Adipose Tissue and Brain Metabolism, Potentially Mediated by Gutâ€“Liver Inflammation: A Study with Positron Emission Tomography and Oral 18FDG in Mice. International Journal of Molecular Sciences, 2022, 23, 2659.	1.8	3
4	Liver and White/Brown Fat Dystrophy Associates with Gut Microbiota and Metabolomic Alterations in 3xTg Alzheimerâ€™s Disease Mouse Model. Metabolites, 2022, 12, 278.	1.3	0
5	Effect of Dapagliflozin on Myocardial Insulin Sensitivity and Perfusion: Rationale and Design of The DAPAHEART Trial. Diabetes Therapy, 2021, 12, 2101-2113.	1.2	6
6	Obesity-related gut hormones and cancer: novel insight into the pathophysiology. International Journal of Obesity, 2021, 45, 1886-1898.	1.6	8
7	Brain-gut-liver interactions across the spectrum of insulin resistance in metabolic fatty liver disease. World Journal of Gastroenterology, 2021, 27, 4999-5018.	1.4	8
8	Spot-light on microbiota in obesity and cancer. International Journal of Obesity, 2021, 45, 2291-2299.	1.6	10
9	Maturation of the Visceral (Gut-Adipose-Liver) Network in Response to the Weaning Reaction versus Adult Age and Impact of Maternal High-Fat Diet. Nutrients, 2021, 13, 3438.	1.7	5
10	Identification and Characterization of Human Observational Studies in Nutritional Epidemiology on Gut Microbiomics for Joint Data Analysis. Nutrients, 2021, 13, 3292.	1.7	6
11	Associations between the Mediterranean Diet Pattern and Weight Status and Cognitive Development in Preschool Children. Nutrients, 2021, 13, 3723.	1.7	18
12	Maternal High-Fat Feeding Affects the Liver and Thymus Metabolic Axis in the Offspring and Some Effects Are Attenuated by Maternal Diet Normalization in a Minipig Model. Metabolites, 2021, 11, 800.	1.3	1
13	Exclusive Breastfeeding Predicts Higher Hearing-Language Development in Girls of Preschool Age. Nutrients, 2020, 12, 2320.	1.7	8
14	Physical Activity and Telomeres in Old Age: A Longitudinal 10-Year Follow-Up Study. Gerontology, 2020, 66, 315-322.	1.4	8
15	Brain functional imaging in obese and diabetic patients. Acta Diabetologica, 2019, 56, 135-144.	1.2	14
16	Altered adipocyte differentiation and unbalanced autophagy in type 2 Familial Partial Lipodystrophy: an in vitro and in vivo study of adipose tissue browning. Experimental and Molecular Medicine, 2019, 51, 1-17.	3.2	26
17	Microbiota signatures relating to reduced memory and exploratory behaviour in the offspring of overweight mothers in a murine model. Scientific Reports, 2019, 9, 12609.	1.6	35
18	Telomere length and physical performance among older peopleâ€”The Helsinki Birth Cohort Study. Mechanisms of Ageing and Development, 2019, 183, 111145.	2.2	6

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19	Combined Effect of Fatty Diet and Cognitive Decline on Brain Metabolism, Food Intake, Body Weight, and Counteraction by Intranasal Insulin Therapy in 3Ã—Tg Mice. Frontiers in Cellular Neuroscience, 2019, 13, 188.	1.8	20
20	Fetal cardiac growth is associated with in utero gut colonization. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 170-176.	1.1	10
21	Healthy diets and telomere length and attrition during a 10-year follow-up. European Journal of Clinical Nutrition, 2019, 73, 1352-1360.	1.3	28
22	Imaging of brain glucose uptake by PET in obesity and cognitive dysfunction: life-course perspective. Endocrine Connections, 2019, 8, R169-R183.	0.8	17
23	Dynamic changes in p66Shc mRNA expression in peripheral blood mononuclear cells following resistance training intervention in old frail women born to obese mothers: a pilot study. Aging Clinical and Experimental Research, 2018, 30, 871-876.	1.4	4
24	Elevated glycemia and brain glucose utilization predict BDNF lowering since early life. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 447-455.	2.4	12
25	Maternal Obesity and CardiacÂDevelopment in the Offspring. JACC: Cardiovascular Imaging, 2018, 11, 1750-1755.	2.3	29
26	Food addiction distinguishes an overweight phenotype that can be reversed by low calorie diet. European Eating Disorders Review, 2018, 26, 657-670.	2.3	19
27	Telomere Length and Frailty: The Helsinki Birth Cohort Study. Journal of the American Medical Directors Association, 2018, 19, 658-662.	1.2	31
28	Effects of obesity on IL-33/ST2 system in heart, adipose tissue and liver: study in the experimental model of Zucker rats. Experimental and Molecular Pathology, 2017, 102, 354-359.	0.9	13
29	The role of glucose, insulin and NEFA in regulating tissue triglyceride accumulation: Substrate cooperation in adipose tissue versus substrate competition in skeletal muscle. Nutrition, Metabolism and Cardiovascular Diseases, 2017, 27, 956-963.	1.1	7
30	Increased level of DNA damage in some organs of obese Zucker rats by Î³â€H2AX analysis. Environmental and Molecular Mutagenesis, 2017, 58, 477-484.	0.9	9
31	Higher serum phenylalanine concentration is associated with more rapid telomere shortening in men. American Journal of Clinical Nutrition, 2017, 105, 144-150.	2.2	10
32	Exposure to Persistent Organic Pollutants Predicts Telomere Length in Older Age: Results from the Helsinki Birth Cohort Study. , 2016, 7, 540.		23
33	Elevated Glucose Oxidation, Reduced Insulin Secretion, and a Fatty Heart May Be Protective Adaptions in Ischemic CAD. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2701-2710.	1.8	9
34	Maternal adiposity and infancy growth predict later telomere length: a longitudinal cohort study. International Journal of Obesity, 2016, 40, 1063-1069.	1.6	13
35	Nuclear receptors control pro-viral and antiviral metabolic responses to hepatitis C virus infection. Nature Chemical Biology, 2016, 12, 1037-1045.	3.9	45
36	Resistance training enhances insulin suppression of endogenous glucose production in elderly women. Journal of Applied Physiology, 2016, 120, 633-639.	1.2	11

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37	Resistance training improves skeletal muscle insulin sensitivity in elderly offspring of overweight and obese mothers. Diabetologia, 2016, 59, 77-86.	2.9	30
38	Early programming of brain metabolism and function by perinatal obesogenic environment. Psychoneuroendocrinology, 2015, 61, 9-10.	1.3	0
39	Cross-Talk Between Adipose Tissue Health, Myocardial Metabolism and Vascular Function: The Adipose-Myocardial and Adipose-Vascular Axes. Current Pharmaceutical Design, 2015, 22, 59-67.	0.9	3
40	Adenosine Receptor Transcriptomic Profile in Cardiac Tissue of a Zucker Rat Model. DNA and Cell Biology, 2015, 34, 333-341.	0.9	2
41	Rate of telomere shortening and metabolic and cardiovascular risk factors: A longitudinal study in the 1934â€“44 Helsinki Birth Cohort Study. Annals of Medicine, 2015, 47, 499-505.	1.5	21
42	Developmental ORIgins of Healthy and Unhealthy AgeiNg: The Role of Maternal Obesity - Introduction to DORIAN. Obesity Facts, 2014, 7, 130-151.	1.6	25
43	CREPE: Mathematical Model for Crosstalking of Endothelial Cells and Hepatocyte Metabolism. IEEE Transactions on Biomedical Engineering, 2014, 61, 224-230.	2.5	1
44	Independent effects of circulating glucose, insulin and NEFA on cardiac triacylglycerol accumulation and myocardial insulin resistance in a swine model. Diabetologia, 2014, 57, 1937-1946.	2.9	8
45	Endothelin system mRNA variation in the heart of Zucker rats: Evaluation of a possible balance with natriuretic peptides. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 1166-1173.	1.1	6
46	Imaging of Organ Metabolism in Obesity and Diabetes: Treatment Perspectives. Current Pharmaceutical Design, 2014, 20, 6126-6149.	0.9	4
47	Simple Machine Perfusion Significantly Enhances Hepatocyte Yields of Ischemic and Fresh Rat Livers. Cell Medicine, 2013, 4, 109-123.	5.0	15
48	Obesity and Diabetes. , 2013, , 39-62.		0
49	Brain PET Imaging in Obesity and Food Addiction: Current Evidence and Hypothesis. Obesity Facts, 2012, 5, 155-164.	1.6	21
50	Tissue-specific selection of stable reference genes for real-time PCR normalization in an obese rat model. Journal of Molecular Endocrinology, 2012, 48, 251-260.	1.1	46
51	The Interaction of Blood Flow, Insulin, and Bradykinin in Regulating Glucose Uptake in Lower-Body Adipose Tissue in Lean and Obese Subjects. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1192-E1196.	1.8	18
52	CREPE: A First Mathematical Model for Crosstalking of Endothelial Cells and Hepatocyte Metabolism. , 2012, , .		0
53	HEMETÎ²: improvement of hepatocyte metabolism mathematical model. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 837-851.	0.9	7
54	Metabolic Control Through Hepatocyte and Adipose Tissue Cross-Talk in a Multicompartmental Modular Bioreactor. Tissue Engineering - Part A, 2011, 17, 1635-1642.	1.6	30

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55	Fatty Heart, Cardiac Damage, and Inflammation. Review of Diabetic Studies, 2011, 8, 403-417.	0.5	74
56	A low shear stress modular bioreactor for connected cell culture under high flow rates. Biotechnology and Bioengineering, 2010, 106, 127-137.	1.7	83
57	Organ reengineering through development of a transplantable recellularized liver graft using decellularized liver matrix. Nature Medicine, 2010, 16, 814-820.	15.2	1,215
58	Organ cross-talk in a multi compartment connected culture bioreactor. Toxicology Letters, 2010, 196, S132.	0.4	0
59	Study of the Crosstalk Between Hepatocytes and Endothelial Cells Using a Novel Multicompartmental Bioreactor: A Comparison Between Connected Cultures and Cocultures. Tissue Engineering - Part A, 2009, 15, 3635-3644.	1.6	57
60	"Cell Cross-talk" analysis in static and dynamic Multi-Compartmental Bioreactor. , 2007, , .		0