

Dominic P D'agostino

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,905
citations

304743

22
h-index

276875

41
g-index

69
all docs

69
docs citations

69
times ranked

2315
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Metabolic therapy: A new paradigm for managing malignant brain cancer. <i>Cancer Letters</i> , 2015, 356, 289-300. | 7.2 | 161 |
| 2 | The Ketogenic Diet and Hyperbaric Oxygen Therapy Prolong Survival in Mice with Systemic Metastatic Cancer. <i>PLoS ONE</i> , 2013, 8, e65522. | 2.5 | 160 |
| 3 | Effects of exogenous ketone supplementation on blood ketone, glucose, triglyceride, and lipoprotein levels in Sprague-Dawley rats. <i>Nutrition and Metabolism</i> , 2016, 13, 9. | 3.0 | 120 |
| 4 | Therapeutic ketosis with ketone ester delays central nervous system oxygen toxicity seizures in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R829-R836. | 1.8 | 101 |
| 5 | Superoxide ($\cdot O_2$) Production in CA1 Neurons of Rat Hippocampal Slices Exposed to Graded Levels of Oxygen. <i>Journal of Neurophysiology</i> , 2007, 98, 1030-1041. | 1.8 | 78 |
| 6 | Effects of Ketogenic Dieting on Body Composition, Strength, Power, and Hormonal Profiles in Resistance Training Men. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 3463-3474. | 2.1 | 78 |
| 7 | Ketone ester supplementation attenuates seizure activity, and improves behavior and hippocampal synaptic plasticity in an Angelman syndrome mouse model. <i>Neurobiology of Disease</i> , 2016, 96, 38-46. | 4.4 | 77 |
| 8 | Exogenous Ketone Supplements Reduce Anxiety-Related Behavior in Sprague-Dawley and Wistar Albino Glaxo/Rijswijk Rats. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 137. | 2.9 | 74 |
| 9 | Metabolic Therapy with Deanna Protocol Supplementation Delays Disease Progression and Extends Survival in Amyotrophic Lateral Sclerosis (ALS) Mouse Model. <i>PLoS ONE</i> , 2014, 9, e103526. | 2.5 | 67 |
| 10 | Press-pulse: a novel therapeutic strategy for the metabolic management of cancer. <i>Nutrition and Metabolism</i> , 2017, 14, 19. | 3.0 | 66 |
| 11 | Submolecular regulation of cell transformation by deuterium depleting water exchange reactions in the tricarboxylic acid substrate cycle. <i>Medical Hypotheses</i> , 2016, 87, 69-74. | 1.5 | 64 |
| 12 | Anticatabolic Effects of Ketone Bodies in Skeletal Muscle. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 227-229. | 7.1 | 57 |
| 13 | Ketone Bodies Attenuate Wasting in Models of Atrophy. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 973-996. | 7.3 | 52 |
| 14 | Fueling Performance: Ketones Enter the Mix. <i>Cell Metabolism</i> , 2016, 24, 373-375. | 16.2 | 46 |
| 15 | Comparison of Powerlifting Performance in Trained Men Using Traditional and Flexible Daily Undulating Periodization. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 283-291. | 2.1 | 45 |
| 16 | Potential Protective Mechanisms of Ketone Bodies in Migraine Prevention. <i>Nutrients</i> , 2019, 11, 811. | 4.1 | 45 |
| 17 | Adenosine A1 Receptor Antagonism Abolished the Anti-seizure Effects of Exogenous Ketone Supplementation in Wistar Albino Glaxo Rijswijk Rats. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 235. | 2.9 | 44 |
| 18 | Therapeutic Potential of Exogenous Ketone Supplement Induced Ketosis in the Treatment of Psychiatric Disorders: Review of Current Literature. <i>Frontiers in Psychiatry</i> , 2019, 10, 363. | 2.6 | 44 |

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|----|---|-----|-----------|
| 19 | Contingency checking and self-directed behaviors in giant manta rays: Do elasmobranchs have self-awareness?. <i>Journal of Ethology</i> , 2016, 34, 167-174. | 0.8 | 41 |
| 20 | The 1-Week and 8-Month Effects of a Ketogenic Diet or Ketone Salt Supplementation on Multi-Organ Markers of Oxidative Stress and Mitochondrial Function in Rats. <i>Nutrients</i> , 2017, 9, 1019. | 4.1 | 41 |
| 21 | Ketone Administration for Seizure Disorders: History and Rationale for Ketone Esters and Metabolic Alternatives. <i>Frontiers in Neuroscience</i> , 2019, 13, 1041. | 2.8 | 39 |
| 22 | Hyperbaric Environment: Oxygen and Cellular Damage versus Protection. , 2016, 7, 213-234. | | 34 |
| 23 | Exogenous Ketones Lower Blood Glucose Level in Rested and Exercised Rodent Models. <i>Nutrients</i> , 2019, 11, 2330. | 4.1 | 26 |
| 24 | Anxiolytic Effect of Exogenous Ketone Supplementation Is Abolished by Adenosine A1 Receptor Inhibition in Wistar Albino Glaxo/Rijswijk Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 29. | 2.0 | 25 |
| 25 | Commentary: Ketone Diester Ingestion Impairs Time-Trial Performance in Professional Cyclists. <i>Frontiers in Physiology</i> , 2018, 9, 279. | 2.8 | 22 |
| 26 | Complex I inhibition augments dichloroacetate cytotoxicity through enhancing oxidative stress in VM-M3 glioblastoma cells. <i>PLoS ONE</i> , 2017, 12, e0180061. | 2.5 | 22 |
| 27 | Effects of hyperbaric gases on membrane nanostructure and function in neurons. <i>Journal of Applied Physiology</i> , 2009, 106, 996-1003. | 2.5 | 21 |
| 28 | Exogenous Ketone Supplementation Decreased the Lipopolysaccharide-Induced Increase in Absence Epileptic Activity in Wistar Albino Glaxo Rijswijk Rats. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 45. | 2.9 | 18 |
| 29 | Concentration-Dependent Effects of a Dietary Ketone Ester on Components of Energy Balance in Mice. <i>Frontiers in Nutrition</i> , 2019, 6, 56. | 3.7 | 17 |
| 30 | Genetic variants for personalised management of very low carbohydrate ketogenic diets. <i>BMJ Nutrition, Prevention and Health</i> , 2020, 3, 363-373. | 3.7 | 17 |
| 31 | Effects of an Exogenous Ketone Supplement on Five-Kilometer Running Performance. <i>Journal of Human Kinetics</i> , 2020, 72, 115-127. | 1.5 | 17 |
| 32 | Elevated Plus Maze Test Combined with Video Tracking Software to Investigate the Anxiolytic Effect of Exogenous Ketogenic Supplements. <i>Journal of Visualized Experiments</i> , 2019, , . | 0.3 | 16 |
| 33 | Ketone Supplementation: Meeting the Needs of the Brain in an Energy Crisis. <i>Frontiers in Nutrition</i> , 2021, 8, 783659. | 3.7 | 16 |
| 34 | Nutritional ketosis delays the onset of isoflurane induced anesthesia. <i>BMC Anesthesiology</i> , 2018, 18, 85. | 1.8 | 15 |
| 35 | Dose response of a novel exogenous ketone supplement on physiological, perceptual and performance parameters. <i>Nutrition and Metabolism</i> , 2020, 17, 81. | 3.0 | 14 |
| 36 | Structural homologies between phenformin, lipitor and gleevec aim the same metabolic oncotarget in leukemia and melanoma. <i>Oncotarget</i> , 2017, 8, 50187-50192. | 1.8 | 13 |

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|----|--|-----|-----------|
| 37 | Need for new review of article on ketogenic dietary regimes for cancer patients. <i>Medical Oncology</i> , 2017, 34, 108. | 2.5 | 11 |
| 38 | Exogenous Ketone Supplements Improved Motor Performance in Preclinical Rodent Models. <i>Nutrients</i> , 2020, 12, 2459. | 4.1 | 11 |
| 39 | Exogenous Dietary Ketone Ester Decreases Body Weight and Adiposity in Mice Housed at Thermoneutrality. <i>Obesity</i> , 2020, 28, 1447-1455. | 3.0 | 10 |
| 40 | Evaluation of the safety and tolerability of a nutritional Formulation in patients with ANGelman Syndrome (FANS): study protocol for a randomized controlled trial. <i>Trials</i> , 2020, 21, 60. | 1.6 | 9 |
| 41 | Inhibition of adenosine A1 receptors abolished the nutritional ketosis-evoked delay in the onset of isoflurane-induced anesthesia in Wistar Albino Glaxo Rijswijk rats. <i>BMC Anesthesiology</i> , 2020, 20, 30. | 1.8 | 9 |
| 42 | Systematic Review of Neuroprotection of ketosis in acute injury of the mammalian central nervous system: A meta-analysis. <i>Journal of Neurochemistry</i> , 2021, 158, 105-118. | 3.9 | 7 |
| 43 | Enhancement of Ketone Supplements-Evoked Effect on Absence Epileptic Activity by Co-Administration of Uridine in Wistar Albino Glaxo Rijswijk Rats. <i>Nutrients</i> , 2021, 13, 234. | 4.1 | 6 |
| 44 | Age- and Sex-Dependent Modulation of Exogenous Ketone Supplement-Evoked Effects on Blood Glucose and Ketone Body Levels in Wistar Albino Glaxo Rijswijk Rats. <i>Frontiers in Neuroscience</i> , 2020, 14, 618422. | 2.8 | 6 |
| 45 | Exogenous ketone ester delays CNS oxygen toxicity without impairing cognitive and motor performance in male Sprague-Dawley rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R100-R111. | 1.8 | 5 |
| 46 | Ketone Bodies Impact on Hypoxic CO2 Retention Protocol During Exercise. <i>Frontiers in Physiology</i> , 2021, 12, 780755. | 2.8 | 5 |
| 47 | The effects of ketogenic dieting on skeletal muscle and fat mass. <i>Journal of the International Society of Sports Nutrition</i> , 2014, 11, . | 3.9 | 4 |
| 48 | Human Adaptations to Multiday Saturation on NASA NEEMO. <i>Frontiers in Physiology</i> , 2020, 11, 610000. | 2.8 | 4 |
| 49 | Adenosine Receptors Modulate the Exogenous Ketogenic Supplement-Evoked Alleviating Effect on Lipopolysaccharide-Generated Increase in Absence Epileptic Activity in WAG/Rij Rats. <i>Nutrients</i> , 2021, 13, 4082. | 4.1 | 4 |
| 50 | Exogenous ketone salts inhibit superoxide production in the rat caudal solitary complex during exposure to normobaric and hyperbaric hyperoxia. <i>Journal of Applied Physiology</i> , 2021, 130, 1936-1954. | 2.5 | 3 |
| 51 | Case Report: Ketogenic Diet Is Associated With Improvements in Chronic Obstructive Pulmonary Disease. <i>Frontiers in Medicine</i> , 2021, 8, 699427. | 2.6 | 3 |
| 52 | The Deanna protocol supplement complex supports mitochondrial energy metabolism and prolongs lifespan in preclinical models of amyotrophic lateral sclerosis (ALS). <i>Metabolomics</i> , 2017, 13, 1. | 3.0 | 2 |
| 53 | Ketone Ester Supplementation Does Not Impair Cognitive or Motor Performance and Delays CNS Oxygen Toxicity in Male Sprague-Dawley Rats. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 2 |
| 54 | Atomic force microscopy (AFM) analysis of lipid peroxidation following hyperoxia and hydrogen peroxide treatment in human U87 glioblastoma cells. <i>FASEB Journal</i> , 2008, 22, 747.2. | 0.5 | 1 |

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|----|--|-----|-----------|
| 55 | A new concept in central CO ₂ chemoreception and pH regulation: gastric CO ₂ ventilation supplements alveolar ventilation during hypercapnia in anesthetized spontaneously breathing cat. FASEB Journal, 2011, 25, 1111.1. | 0.5 | 1 |
| 56 | Intragastric ketone ester administration prevents CNS oxygen toxicity (CNS \hat{O} T) and modulates tidal volume and respiratory frequency in rats. FASEB Journal, 2013, 27, 714.24. | 0.5 | 1 |
| 57 | Neuroregeneration improved by ketones. FASEB Journal, 2018, 32, 545.9. | 0.5 | 1 |
| 58 | Oral administration of a novel, synthetic ketogenic compound elevates blood β -hydroxybutyrate levels in mice in both food \hat{E} restricted and ab \hat{E} libitum conditions. FASEB Journal, 2022, 36, . | 0.5 | 1 |
| 59 | Identifying Predictive Markers of CNS Oxygen Toxicity and Ketone Ester Effects on Latency to Seizure and Antioxidant Capacity. FASEB Journal, 2022, 36, . | 0.5 | 1 |
| 60 | Hypoxia and hyperoxia both increase superoxide production in nucleus tractus solitarius (NTS) neurons in rat brain tissue slices. FASEB Journal, 2009, 23, 1038.8. | 0.5 | 0 |
| 61 | Analysis of oxidative stress in CNS cells by integration of Atomic Force Microscopy (AFM), fluorescence microscopy and amperometry. FASEB Journal, 2009, 23, 617.3. | 0.5 | 0 |
| 62 | Oxygen \hat{E} induced superoxide production in solitary complex neurons in rat medullary slices. FASEB Journal, 2010, 24, 1001.13. | 0.5 | 0 |
| 63 | Glutamic \hat{E} Oxaloacetic Transaminase Combined with Metabolic Therapy in a Mouse Model of Amyotrophic Lateral Sclerosis. FASEB Journal, 2018, 32, 545.5. | 0.5 | 0 |
| 64 | Comparison of Exogenous Ketone Supplements on Latency to CNS Oxygen Toxicity Seizures in Middle \hat{E} Aged Rats. FASEB Journal, 2018, 32, . | 0.5 | 0 |
| 65 | Clinical Relevance of VM \hat{E} M3 in Modeling Cancer Cachexia. FASEB Journal, 2018, 32, 281.3. | 0.5 | 0 |
| 66 | Exogenous ketones lower blood glucose level. FASEB Journal, 2018, 32, 925.11. | 0.5 | 0 |
| 67 | Ketone Bodies Attenuate Wasting in Diverse Models of Atrophy. FASEB Journal, 2020, 34, 1-1. | 0.5 | 0 |