

# Carine Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/442638/publications.pdf>

Version: 2024-02-01

76  
papers

2,006  
citations

279798

23  
h-index

276875

41  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3307  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | The Inflammatory Response to Skeletal Muscle Injury. <i>Sports Medicine</i> , 2008, 38, 947-969.  | 6.5 | 228       |
| 2  | Proanthocyanidin from grape seeds inactivates the PI3-kinase/PKB pathway and induces apoptosis in a colon cancer cell line. <i>Cancer Letters</i> , 2007, 258, 144-153.   | 7.2 | 122       |
| 3  | Evaluation of a Nisin-Eluting Nanofiber Scaffold To Treat <i>Staphylococcus aureus</i> -Induced Skin Infections in Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 3928-3935.  | 3.2 | 122       |
| 4  | A Review: The Fate of Bacteriocins in the Human Gastro-Intestinal Tract: Do They Cross the Gut-Blood Barrier?. <i>Frontiers in Microbiology</i> , 2018, 9, 2297.  | 3.5 | 112       |
| 5  | Exercise and inflammation-related epigenetic modifications: focus on DNA methylation. <i>Exercise Immunology Review</i> , 2015, 21, 26-41.  | 0.4 | 86        |
| 6  | Are polyphenol antioxidants at the root of medicinal plant anti-cancer success?. <i>Journal of Ethnopharmacology</i> , 2019, 229, 54-72.  | 4.1 | 79        |
| 7  | Ageing-Associated Oxidative Stress and Inflammation Are Alleviated by Products from Grapes. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.  | 4.0 | 71        |
| 8  | Anthocyanin profile, antioxidant activity and enzyme inhibiting properties of blueberry and cranberry juices: a comparative study. <i>Food and Function</i> , 2017, 8, 4187-4193.   | 4.6 | 65        |
| 9  | Accelerated skeletal muscle recovery after in vivo polyphenol administration. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1072-1079.   | 4.2 | 42        |
| 10 | The effects of <i>Sceletium tortuosum</i> in an in vivo model of psychological stress. <i>Journal of Ethnopharmacology</i> , 2011, 133, 31-36.  | 4.1 | 41        |
| 11 | Efficacy of Lantibiotic Treatment of <i>Staphylococcus aureus</i> -Induced Skin Infections, Monitored by <i>In Vivo</i> Bioluminescent Imaging. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3948-3955.                 | 3.2 | 41        |
| 12 | Endocrine and Immune Effects of Dexamethasone in Unilateral Total Knee Replacement. <i>Journal of International Medical Research</i> , 2006, 34, 603-611.   | 1.0 | 40        |
| 13 | Bioactive and functional properties of sour cherry juice ( <i>Prunus cerasus</i> ). <i>Food and Function</i> , 2016, 7, 4675-4682.  | 4.6 | 38        |
| 14 | <i>Aspalathus linearis</i> (Rooibos) – a functional food targeting cardiovascular disease. <i>Food and Function</i> , 2018, 9, 5041-5058.   | 4.6 | 36        |
| 15 | Cyanidin-3-O-glucoside inhibits different enzymes involved in central nervous system pathologies and type-2 diabetes. <i>South African Journal of Botany</i> , 2019, 120, 241-246.  | 2.5 | 36        |
| 16 | Migration of Bacteriocins Across Gastrointestinal Epithelial and Vascular Endothelial Cells, as Determined Using In Vitro Simulations. <i>Scientific Reports</i> , 2019, 9, 11481.  | 3.3 | 36        |
| 17 | High-mesembrine <i>Sceletium</i> extract ( <i>Trimesemine</i> , <sup>®</sup> ) is a monoamine releasing agent, rather than only a selective serotonin reuptake inhibitor. <i>Journal of Ethnopharmacology</i> , 2016, 177, 111-116. | 4.1 | 35        |
| 18 | The Effect of <i>Sutherlandia frutescens</i> Steroidogenesis: Confirming Indigenous Wisdom. <i>Endocrine Research</i> , 2004, 30, 745-751.  | 1.2 | 31        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Regulation of redox status in neuronal SH-SY5Y cells by blueberry ( <i>Vaccinium myrtillus</i> L.) juice, cranberry ( <i>Vaccinium macrocarpon</i> A.) juice and cyanidin. <i>Food and Chemical Toxicology</i> , 2018, 118, 572-580.                                    | 3.6 | 29        |
| 20 | Therapeutic Application of Lantibiotics and Other Lanthipeptides: Old and New Findings. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0018621.   | 3.1 | 29        |
| 21 | C-Reactive Protein Is Elevated Only in High Creatine Kinase Responders to Muscle Damaging Exercise. <i>Frontiers in Physiology</i> , 2019, 10, 86.  | 2.8 | 28        |
| 22 | Harnessing Macrophages for Controlled-Release Drug Delivery: Lessons From Microbes. <i>Frontiers in Pharmacology</i> , 2019, 10, 22.  | 3.5 | 28        |
| 23 | Safety assessment of antibiotic and probiotic feed additives for <i>Gallus gallus domesticus</i> . <i>Scientific Reports</i> , 2017, 7, 12767.  | 3.3 | 25        |
| 24 | Postcontusion Polyphenol Treatment Alters Inflammation and Muscle Regeneration. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 872-880.   | 0.4 | 24        |
| 25 | Daily brief restraint stress alters signaling pathways and induces atrophy and apoptosis in rat skeletal muscle. <i>Stress</i> , 2010, 13, 132-141.   | 1.8 | 23        |
| 26 | Interplay of the Inflammatory and Stress Systems in a Hepatic Cell Line: Interactions between Glucocorticoid Receptor Agonists and Interleukin-6. <i>Endocrinology</i> , 2010, 151, 5279-5293.  | 2.8 | 22        |
| 27 | Rooibos ( <i>Aspalathus linearis</i> ) facilitates an anti-inflammatory state, modulating IL-6 and IL-10 while not inhibiting the acute glucocorticoid response to a mild novel stressor in vivo. <i>Journal of Functional Foods</i> , 2016, 27, 42-54.                 | 3.4 | 22        |
| 28 | Effect of a Multi-Species Probiotic on the Colonisation of Salmonella in Broilers. <i>Probiotics and Antimicrobial Proteins</i> , 2020, 12, 896-905.  | 3.9 | 21        |
| 29 | <i>Sceletium tortuosum</i> may delay chronic disease progression via alkaloid-dependent antioxidant or anti-inflammatory action. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 539-547.   | 3.0 | 20        |
| 30 | Inhibition of Corticosteroid-Binding Globulin Gene Expression by Glucocorticoids Involves C/EBP $\beta$ . <i>PLoS ONE</i> , 2014, 9, e110702.   | 2.5 | 18        |
| 31 | Rooibos influences glucocorticoid levels and steroid ratios in vivo and in vitro: a natural approach in the management of stress and metabolic disorders?. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 537-549.  | 3.3 | 18        |
| 32 | Neutrophil and monocyte responses to downhill running: Intracellular contents of MPO, IL-6, IL-10, pstat3, and SOCS3. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 638-647.  | 2.9 | 18        |
| 33 | Immunomodulatory effects of <i>Sceletium tortuosum</i> (Trimesemine $\beta$ ) elucidated in vitro: Implications for chronic disease. <i>Journal of Ethnopharmacology</i> , 2018, 214, 134-140.  | 4.1 | 18        |
| 34 | Natural antioxidants in prevention of accelerated ageing: a departure from conventional paradigms required. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 549-558.  | 3.0 | 18        |
| 35 | Gender differences in metabolic risk factor prevalence in a South African student population. <i>Cardiovascular Journal of Africa</i> , 2009, 20, 178-82.   | 0.4 | 18        |
| 36 | Illuminating the interrelated immune and endocrine adaptations after multiple exposures to short immobilization stress by in vivo blocking of IL-6. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1439-R1447. | 1.8 | 17        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Contusion Injury with Chronic In vivo Polyphenol Supplementation. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 225-231.   | 0.4 | 17        |
| 38 | <i>Hoodia gordonii</i> : To eat, or not to eat. <i>Journal of Ethnopharmacology</i> , 2014, 155, 987-991.   | 4.1 | 17        |
| 39 | The trace aminergic system: a gender-sensitive therapeutic target for IBS?. <i>Journal of Biomedical Science</i> , 2020, 27, 95.  | 7.0 | 17        |
| 40 | African drumming. <i>Journal of Cardiovascular Medicine</i> , 2014, 15, 441-446.  | 1.5 | 16        |
| 41 | Modulation of glucocorticoid, mineralocorticoid and androgen production in H295 cells by Trimesemine, a mesembrine-rich <i>Sceletium</i> extract. <i>Journal of Ethnopharmacology</i> , 2016, 177, 35-45.                                 | 4.1 | 16        |
| 42 | Polyphenol-associated oxidative stress and inflammation in a model of LPS-induced inflammation in glial cells: do we know enough for responsible compounding?. <i>Inflammopharmacology</i> , 2019, 27, 189-197.                           | 3.9 | 16        |
| 43 | Central intracrine DHEA synthesis in ageing-related neuroinflammation and neurodegeneration: therapeutic potential?. <i>Journal of Neuroinflammation</i> , 2018, 15, 289.   | 7.2 | 14        |
| 44 | Redox Status and Muscle Pathology in Rheumatoid Arthritis: Insights from Various Rat Hindlimb Muscles. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.   | 4.0 | 14        |
| 45 | <i>Hoodia gordonii</i> extract targets both adipose and muscle tissue to achieve weight loss in rats. <i>Journal of Ethnopharmacology</i> , 2014, 155, 1284-1290.   | 4.1 | 13        |
| 46 | Chronic <i>Prosopis glandulosa</i> Treatment Blunts Neutrophil Infiltration and Enhances Muscle Repair after Contusion Injury. <i>Nutrients</i> , 2015, 7, 815-830.   | 4.1 | 13        |
| 47 | Grape polyphenols corrects ageing-related detriments in neutrophil functionality via modulation of specific molecular targets. <i>Inflammopharmacology</i> , 2018, 26, 1349-1358.   | 3.9 | 13        |
| 48 | The Effects of Continuous In Vivo Administration of Nisin on <i>Staphylococcus aureus</i> Infection and Immune Response in Mice. <i>Probiotics and Antimicrobial Proteins</i> , 2013, 5, 279-286.   | 3.9 | 12        |
| 49 | <i>Sutherlandia frutescens</i> may exacerbate HIV-associated neuroinflammation. <i>Journal of Negative Results in BioMedicine</i> , 2015, 14, 14.   | 1.4 | 12        |
| 50 | Adhesion of <i>Lactobacillus reuteri</i> strain Lr1 to equine epithelial cells and competitive exclusion of <i>Clostridium difficile</i> from the gastro-intestinal tract of horses. <i>Annals of Microbiology</i> , 2015, 65, 1087-1096. | 2.6 | 12        |
| 51 | Functional Expression of GFP-Fused Class I Lanthipeptides in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 2220-2227.   | 3.8 | 12        |
| 52 | Neuroprotective and anxiolytic potential of green rooibos ( <i>Aspalathus linearis</i> ) polyphenolic extract. <i>Food and Function</i> , 2022, 13, 91-101.   | 4.6 | 11        |
| 53 | Are the relationships between early activation of lymphocytes and cortisol or testosterone influenced by intensified cycling training in men?. <i>Applied Physiology, Nutrition and Metabolism</i> , 2006, 31, 226-234.                   | 1.9 | 10        |
| 54 | Rheumatoid cachexia: the underappreciated role of myoblast, macrophage and fibroblast interplay in the skeletal muscle niche. <i>Journal of Biomedical Science</i> , 2021, 28, 15.  | 7.0 | 10        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | In vitro interleukin-6 release in whole blood cultures in samples taken at rest from triathletes and professional rugby players. <i>European Journal of Applied Physiology</i> , 2002, 87, 233-237.         | 2.5 | 9         |
| 56 | Effect of transportation on ostrich ( <i>Struthio camelus</i> ) weight loss and meat quality. <i>Animal Production Science</i> , 2012, 52, 1153.  | 1.3 | 9         |
| 57 | <i>Lactobacillus equigenerosi</i> Strain Le1 Invades Equine Epithelial Cells. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4248-4255.  | 3.1 | 8         |
| 58 | In utero Exposure to Maternal Chronic Inflammation Transfers a Pro-Inflammatory Profile to Generation F2 via Sex-Specific Mechanisms. <i>Frontiers in Immunology</i> , 2020, 11, 48.                        | 4.8 | 8         |
| 59 | Using Rodent Models to Simulate Stress of Physiologically Relevant Severity: When, Why and How. , 0, , .  |     | 7         |
| 60 | Central and peripheral effects of <i>Sutherlandia frutescens</i> on the response to acute psychological stress. <i>Experimental Biology and Medicine</i> , 2014, 239, 123-128.                              | 2.4 | 7         |
| 61 | Development of a transendothelial shuttle by macrophage modification. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1889-e1898.   | 2.7 | 6         |
| 62 | Chronic Gestational Inflammation: Transfer of Maternal Adaptation over Two Generations of Progeny. <i>Mediators of Inflammation</i> , 2019, 2019, 1-16.   | 3.0 | 6         |
| 63 | Anxiety: An overlooked confounder in the characterisation of chronic stress-related conditions?. <i>PLoS ONE</i> , 2020, 15, e0230053.  | 2.5 | 6         |
| 64 | Sour cherry ( <i>Prunus cerasus</i> L.) juice protects against hydrogen peroxide-induced neurotoxicity by modulating the antioxidant response. <i>Journal of Functional Foods</i> , 2018, 46, 243-249.      | 3.4 | 5         |
| 65 | Anti-inflammatory cellular targets on neutrophils elucidated using a novel cell migration model and confocal microscopy: a clinical supplementation study. <i>Journal of Inflammation</i> , 2018, 15, 2.    | 3.4 | 5         |
| 66 | Targeting Stem Cells in Chronic Inflammatory Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1286, 163-181.  | 1.6 | 5         |
| 67 | Alterations to microbial secretome by estrogen may contribute to sex bias in irritable bowel syndrome. <i>Inflammopharmacology</i> , 2022, 30, 267-281.   | 3.9 | 4         |
| 68 | Rooibos ( <i>Aspalathus linearis</i> ) alters secretome trace amine profile of probiotic and commensal microbes in vitro. <i>Journal of Ethnopharmacology</i> , 2022, 297, 115548.                          | 4.1 | 4         |
| 69 | d-galactose: a model of accelerated ageing sufficiently sensitive to reflect preventative efficacy of an antioxidant treatment. <i>Biogerontology</i> , 2020, 21, 745-761.                                  | 3.9 | 3         |
| 70 | Accelerated ageing profile in inflammatory arthritis is unique and tissue compartment specific. <i>Inflammopharmacology</i> , 2020, 28, 967-977.  | 3.9 | 3         |
| 71 | Influence of lifestyle choices on metabolic risk has distinct gender and age differences. <i>International Journal of Clinical and Experimental Physiology</i> , 2014, 1, 13.                               | 0.0 | 3         |
| 72 | Ex vivo tolerization and M2 polarization of macrophages dampens both pro- and anti-inflammatory cytokine production in response to diabetic wound fluid stimulation. <i>Biochimie</i> , 2022, 196, 143-152. | 2.6 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Effects of Redox Disturbances on Motility, Contractility and Muscle Tissue Pathogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-2.   | 4.0 | 1         |
| 74 | Unresolved intramuscular inflammation, not diminished skeletal muscle regenerative capacity, is at the root of rheumatoid cachexia: insights from a rat CIA model. <i>Physiological Reports</i> , 2021, 9, e15119. | 1.7 | 1         |
| 75 | Therapeutic Benefit in Rheumatoid Cachexia Illustrated Using a Novel Primary Human Triple Cell Coculture Model. <i>International Journal of Inflammation</i> , 2022, 2022, 1-14.                                   | 1.5 | 1         |
| 76 | Mountain-bike Racing. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S238-S239.  | 0.4 | 0         |