

Ammu K Radhakrishnan

List of Publications by Year in descending order

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95
papers

2,677
citations

201385

27
h-index

205818

48
g-index

101
all docs

101
docs citations

101
times ranked

3811
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Protective effect of aqueous extract from <i>Spirulina platensis</i> against cell death induced by free radicals. <i>BMC Complementary and Alternative Medicine</i> , 2010, 10, 53. | 3.7 | 129 |
| 2 | Rind of the rambutan, <i>Nephelium lappaceum</i> , a potential source of natural antioxidants. <i>Food Chemistry</i> , 2008, 109, 54-63. | 4.2 | 115 |
| 3 | Protective Mechanisms of Flavonoids in Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-14. | 1.9 | 113 |
| 4 | Current Concepts of Neurodegenerative Mechanisms in Alzheimer's Disease. <i>BioMed Research International</i> , 2018, 2018, 1-12. | 0.9 | 113 |
| 5 | Bioactive Compounds: Natural Defense Against Cancer?. <i>Biomolecules</i> , 2019, 9, 758. | 1.8 | 98 |
| 6 | Fabrication, Optimization, and Evaluation of Rotigotine-Loaded Chitosan Nanoparticles for Nose-To-Brain Delivery. <i>Pharmaceutics</i> , 2019, 11, 26. | 2.0 | 93 |
| 7 | Nose to brain delivery of rotigotine loaded chitosan nanoparticles in human SH-SY5Y neuroblastoma cells and animal model of Parkinson's disease. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119148. | 2.6 | 91 |
| 8 | Tocotrienol-rich fraction from palm oil affects gene expression in tumors resulting from MCF-7 cell inoculation in athymic mice. <i>Lipids</i> , 2004, 39, 459-467. | 0.7 | 90 |
| 9 | Rutin, a bioflavonoid antioxidant protects rat pheochromocytoma (PC-12) cells against 6-hydroxydopamine (6-OHDA)-induced neurotoxicity. <i>International Journal of Molecular Medicine</i> , 2013, 32, 235-240. | 1.8 | 90 |
| 10 | Nano-carrier enabled drug delivery systems for nose to brain targeting for the treatment of neurodegenerative disorders. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 43, 295-310. | 1.4 | 86 |
| 11 | Tocotrienol research: past into present. <i>Nutrition Reviews</i> , 2012, 70, 483-490. | 2.6 | 83 |
| 12 | Standardised <i>Mangifera indica</i> extract is an ideal antioxidant. <i>Food Chemistry</i> , 2009, 113, 1154-1159. | 4.2 | 74 |
| 13 | Protective effects of quercetin glycosides, rutin, and isoquercitrin against 6-hydroxydopamine (6-OHDA)-induced neurotoxicity in rat pheochromocytoma (PC-12) cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2016, 29, 30-39. | 1.0 | 66 |
| 14 | Health-promoting effects of red palm oil: evidence from animal and human studies. <i>Nutrition Reviews</i> , 2017, 75, 98-113. | 2.6 | 65 |
| 15 | Flavonoid quercetin protects against swimming stress-induced changes in oxidative biomarkers in the hypothalamus of rats. <i>European Journal of Pharmacology</i> , 2009, 621, 46-52. | 1.7 | 62 |
| 16 | Assessment of Antioxidant Capacity and Cytotoxicity of Selected Malaysian Plants. <i>Molecules</i> , 2010, 15, 2139-2151. | 1.7 | 62 |
| 17 | Protective effects of flavonol isoquercitrin, against 6-hydroxy dopamine (6-OHDA) - induced toxicity in PC12 cells. <i>BMC Research Notes</i> , 2014, 7, 49. | 0.6 | 58 |
| 18 | Rambutan rind in the management of hyperglycemia. <i>Food Research International</i> , 2011, 44, 2278-2282. | 2.9 | 51 |

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|----|---|-----|-----------|
| 19 | Effects of supplementation with tocotrienol-rich fraction on immune response to tetanus toxoid immunization in normal healthy volunteers. <i>European Journal of Clinical Nutrition</i> , 2011, 65, 63-69. | 1.3 | 51 |
| 20 | Quercetin Glycosides Induced Neuroprotection by Changes in the Gene Expression in a Cellular Model of Parkinson's Disease. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 609-617. | 1.1 | 51 |
| 21 | Tocotrienols promote apoptosis in human breast cancer cells by inducing poly(ADP-ribose) polymerase cleavage and inhibiting nuclear factor kappaB activity. <i>Cell Proliferation</i> , 2013, 46, 203-213. | 2.4 | 50 |
| 22 | Lipid based nanocarriers system for topical delivery of photosensitizers. <i>Drug Discovery Today</i> , 2017, 22, 1274-1283. | 3.2 | 50 |
| 23 | Tocotrienol-Rich Fraction from Palm Oil and Gene Expression in Human Breast Cancer Cells. <i>Annals of the New York Academy of Sciences</i> , 2004, 1031, 143-157. | 1.8 | 43 |
| 24 | Palm tocotrienols decrease levels of pro-angiogenic markers in human umbilical vein endothelial cells (HUVEC) and murine mammary cancer cells. <i>Genes and Nutrition</i> , 2012, 7, 53-61. | 1.2 | 43 |
| 25 | Anti-proliferative and mutagenic activities of aqueous and methanol extracts of leaves from <i>Pereskia bleo</i> (Kunth) DC (Cactaceae). <i>Journal of Ethnopharmacology</i> , 2007, 113, 448-456. | 2.0 | 34 |
| 26 | Palm Tocotrienols Inhibit Proliferation of Murine Mammary Cancer Cells and Induce Expression of Interleukin-24 mRNA. <i>Journal of Interferon and Cytokine Research</i> , 2010, 30, 909-916. | 0.5 | 32 |
| 27 | Anti-inflammatory effects of <i>Polygonum minus</i> (Huds) extract (Lineminus, C) in in-vitro enzyme assays and carrageenan induced paw edema. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 355. | 3.7 | 32 |
| 28 | Comparison of single nucleotide polymorphisms in the human interleukin-10 gene promoter between rheumatoid arthritis patients and normal subjects in Malaysia. <i>Modern Rheumatology</i> , 2007, 17, 429-435. | 0.9 | 28 |
| 29 | Supplementation with Natural Forms of Vitamin E Augments Antigen-Specific TH1-Type Immune Response to Tetanus Toxoid. <i>BioMed Research International</i> , 2013, 2013, 1-8. | 0.9 | 28 |
| 30 | In vivo toxicity evaluation of a standardized extract of <i>Syzygium aqueum</i> leaf. <i>Toxicology Reports</i> , 2014, 1, 718-725. | 1.6 | 28 |
| 31 | Is there a genetic variation association in the IL-10 and TNF promoter gene with gestational diabetes mellitus?. <i>Hereditas</i> , 2010, 147, 94-102. | 0.5 | 27 |
| 32 | Daily supplementation of tocotrienol-rich fraction or α -tocopherol did not induce immunomodulatory changes in healthy human volunteers. <i>British Journal of Nutrition</i> , 2009, 101, 810-815. | 1.2 | 26 |
| 33 | Effect of β -tocotrienol in counteracting oxidative stress and joint damage in collagen-induced arthritis in rats. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 1408-1414. | 0.8 | 26 |
| 34 | Tocotrienols are good adjuvants for developing cancer vaccines. <i>BMC Cancer</i> , 2010, 10, 5. | 1.1 | 25 |
| 35 | Relationship between various cytokines implicated in asthma. <i>Human Immunology</i> , 2019, 80, 755-763. | 1.2 | 24 |
| 36 | Therapeutic Efficacy of Vitamin E γ -Tocotrienol in Collagen-Induced Rat Model of Arthritis. <i>BioMed Research International</i> , 2014, 2014, 1-8. | 0.9 | 21 |

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|----|---|-----|-----------|
| 37 | Development, Characterization, and Evaluation of Î±-Mangostin-Loaded Polymeric Nanoparticle Gel for Topical Therapy in Skin Cancer. <i>Gels</i> , 2021, 7, 230. | 2.1 | 21 |
| 38 | Investigation of the curative effects of palm vitamin E tocotrienols on autoimmune arthritis disease in vivo. <i>Scientific Reports</i> , 2019, 9, 16793. | 1.6 | 20 |
| 39 | Tocotrienol-Adjuvanted Dendritic Cells Inhibit Tumor Growth and Metastasis: A Murine Model of Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e74753. | 1.1 | 19 |
| 40 | Efficacy of Emu Oil Transfersomes for Local Transdermal Delivery of 4-OH Tamoxifen in the Treatment of Breast Cancer. <i>Pharmaceutics</i> , 2020, 12, 807. | 2.0 | 19 |
| 41 | Effect of palm oil carotene on breast cancer tumorigenicity in nude mice. <i>Lipids</i> , 2002, 37, 557-560. | 0.7 | 17 |
| 42 | Association between polymorphisms in human tumor necrosis factor-alpha (âˆ’308) and -beta (252) genes and development of gestational diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2010, 88, 139-145. | 1.1 | 16 |
| 43 | Delta- and Gamma-Tocotrienols Induce Classical Ultrastructural Apoptotic Changes in Human T Lymphoblastic Leukemic Cells. <i>Microscopy and Microanalysis</i> , 2012, 18, 462-469. | 0.2 | 16 |
| 44 | Advancing the Role of Gamma-Tocotrienol as Proteasomes Inhibitor: A Quantitative Proteomic Analysis of MDA-MB-231 Human Breast Cancer Cells. <i>Biomolecules</i> , 2020, 10, 19. | 1.8 | 16 |
| 45 | Effects of Probiotics on Anxiety, Stress, Mood and Fitness of Badminton Players. <i>Nutrients</i> , 2021, 13, 1783. | 1.7 | 16 |
| 46 | Tocotrienols Ameliorate Neurodegeneration and Motor Deficits in the 6-OHDA-Induced Rat Model of Parkinsonism: Behavioural and Immunohistochemistry Analysis. <i>Nutrients</i> , 2021, 13, 1583. | 1.7 | 16 |
| 47 | Therapeutic potential of palm oil vitamin E-derived tocotrienols in inflammation and chronic diseases: Evidence from preclinical and clinical studies. <i>Food Research International</i> , 2022, 156, 111175. | 2.9 | 16 |
| 48 | Improving PBLs in the International Medical University: defining the â€œgoodâ€™ PBL facilitator. <i>Medical Teacher</i> , 2006, 28, 558-560. | 1.0 | 15 |
| 49 | Colostrum supplementation protects against exercise - induced oxidative stress in skeletal muscle in mice. <i>BMC Research Notes</i> , 2012, 5, 649. | 0.6 | 15 |
| 50 | The prevalence of rheumatoid factor isotypes and anti-cyclic citrullinated peptides in Malaysian rheumatoid arthritis patients. <i>International Journal of Rheumatic Diseases</i> , 2011, 14, 12-17. | 0.9 | 14 |
| 51 | Ambroxol Hydrochloride Loaded Gastro-Retentive Nanosuspension Gels Potentiate Anticancer Activity in Lung Cancer (A549) Cells. <i>Gels</i> , 2021, 7, 243. | 2.1 | 14 |
| 52 | Effect of orally administered soy milk fermented with <i>Lactobacillus plantarum</i> LAB12 and physical exercise on murine immune responses. <i>Beneficial Microbes</i> , 2015, 6, 491-496. | 1.0 | 13 |
| 53 | Tocotrienol-treated MCF-7 human breast cancer cells show down-regulation of API5 and up-regulation of MIG6 genes. <i>Cancer Genomics and Proteomics</i> , 2011, 8, 19-31. | 1.0 | 13 |
| 54 | An Effective Ostrich Oil Bleaching Technique Using Peroxide Value as an Indicator. <i>Molecules</i> , 2011, 16, 5709-5719. | 1.7 | 12 |

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|----|---|-----|-----------|
| 55 | Comparison of single nucleotide polymorphisms in the human interleukin-10 gene promoter between rheumatoid arthritis patients and normal subjects in Malaysia. <i>Modern Rheumatology</i> , 2007, 17, 429-435. | 0.9 | 12 |
| 56 | Medical students'™ orientation toward lifelong learning in an outcome-based curriculum and the lessons learnt. <i>Medical Teacher</i> , 2021, 43, S6-S11. | 1.0 | 11 |
| 57 | Selective anti-cancer effects of palm phytonutrients on human breast cancer cells. <i>RSC Advances</i> , 2015, 5, 1745-1753. | 1.7 | 10 |
| 58 | A comparative histopathological study of systemic candidiasis in association with experimentally induced breast cancer. <i>Oncology Letters</i> , 2010, 1, 215-222. | 0.8 | 9 |
| 59 | Comparing the Ability of Freshly Generated and Cryopreserved Dendritic Cell Vaccines to Inhibit Growth of Breast Cancer in a Mouse Model. <i>BioResearch Open Access</i> , 2012, 1, 239-246. | 2.6 | 9 |
| 60 | Effect of Spirulina (Arthrospira) Supplementation on the Immune Response to Tetanus Toxoid Vaccination in a Mouse Model. <i>Journal of Dietary Supplements</i> , 2013, 10, 229-240. | 1.4 | 9 |
| 61 | Review: Beta-thalassemia and molecular chaperones. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 54, 348-352. | 0.6 | 9 |
| 62 | Effects of 25-hydroxyvitamin D and vitamin D-binding protein on bone mineral density and disease activity in Malaysian patients with rheumatoid arthritis. <i>International Journal of Rheumatic Diseases</i> , 2018, 21, 992-1000. | 0.9 | 9 |
| 63 | Ratite oils for local transdermal therapy of 4-OH tamoxifen: development, characterization, and <i>in vivo</i> evaluation. <i>Journal of Liposome Research</i> , 2021, 31, 217-229. | 1.5 | 9 |
| 64 | Influence of serum concentration in retinoic acid and phorbol ester induced differentiation of SH-SY5Y human neuroblastoma cell line. <i>Molecular Biology Reports</i> , 2020, 47, 8775-8788. | 1.0 | 9 |
| 65 | Evaluating Anticancer and Immunomodulatory Effects of Spirulina (Arthrospira) platensis and Gamma-Tocotrienol Supplementation in a Syngeneic Mouse Model of Breast Cancer. <i>Nutrients</i> , 2021, 13, 2320. | 1.7 | 9 |
| 66 | Modulatory effects of mesenchymal stem cells on leucocytes and leukemic cells: A double-edged sword?. <i>Blood Cells, Molecules, and Diseases</i> , 2015, 55, 351-357. | 0.6 | 8 |
| 67 | Antihyperglycemic Effects of Nephelium lappaceum Rind Extract in High Fat-Induced Diabetic Rats. <i>International Journal of Pharmacology</i> , 2015, 11, 542-551. | 0.1 | 8 |
| 68 | Single Nucleotide Polymorphism in the Promoter of the Human Interleukin-13 Gene Is Associated with Asthma in Malaysian Adults. <i>BioMed Research International</i> , 2013, 2013, 1-7. | 0.9 | 7 |
| 69 | Poloxamer 188 (P188), A Potential Polymeric Protective Agent for Central Nervous System Disorders: A Systematic Review. <i>Current Neuropharmacology</i> , 2022, 20, 799-808. | 1.4 | 7 |
| 70 | Identification of blood-based biomarkers for diagnosis and prognosis of Parkinson's disease: A systematic review of proteomics studies. <i>Ageing Research Reviews</i> , 2022, 73, 101514. | 5.0 | 7 |
| 71 | The relationship between single nucleotide polymorphisms of the interleukin-10 gene promoter in systemic lupus erythematosus patients in Malaysia: a pilot study. <i>International Journal of Rheumatic Diseases</i> , 2008, 11, 148-154. | 0.9 | 6 |
| 72 | Amelioration of Collagen-Induced Arthritis in Female Dark Agouti Rats by Glucosamine Treatment. <i>ISRN Pharmacology</i> , 2013, 2013, 1-7. | 1.6 | 6 |

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|----|---|-----|-----------|
| 73 | Tocotrienols Modulate Breast Cancer Secretomes and Affect Cancer-Signaling Pathways in MDA-MB-231 Cells: A Label-Free Quantitative Proteomic Analysis. <i>Nutrition and Cancer</i> , 2019, 71, 1263-1271. | 0.9 | 6 |
| 74 | Reduced infiltration of regulatory T cells in tumours from mice fed daily with gamma-tocotrienol supplementation. <i>Clinical and Experimental Immunology</i> , 2021, 206, 161-172. | 1.1 | 6 |
| 75 | Transitioning pre-clinical glioblastoma models to clinical settings with biomarkers identified in 3D cell-based models: A systematic scoping review. <i>Biomedicine and Pharmacotherapy</i> , 2022, 145, 112396. | 2.5 | 6 |
| 76 | 6-Hydroxydopamine Induces Neurodegeneration in Terminally Differentiated SH-SY5Y Neuroblastoma Cells via Enrichment of the Nucleosomal Degradation Pathway: a Global Proteomics Approach. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1026-1046. | 1.1 | 6 |
| 77 | Supplementation of tocotrienol-rich fraction increases interferon-gamma production in ovalbumin-immunized mice. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, NA-NA. | 1.0 | 5 |
| 78 | A Novel Method to Identify Autoantibodies against Putative Target Proteins in Serum from beta-Thalassemia Major: A Pilot Study. <i>Biomedicines</i> , 2020, 8, 97. | 1.4 | 5 |
| 79 | Tocotrienols protect differentiated SH-SY5Y human neuroblastoma cells against 6-hydroxydopamine-induced cytotoxicity by ameliorating dopamine biosynthesis and dopamine receptor D2 gene expression. <i>Nutrition Research</i> , 2022, 98, 27-40. | 1.3 | 5 |
| 80 | Unravelling the neuroprotective mechanisms of carotenes in differentiated human neural cells: Biochemical and proteomic approaches. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100088. | 0.9 | 5 |
| 81 | In vitro Anti-Proliferative and Antioxidant Activities of Stem Extracts of <i>Pereskia bleo</i> (Kunth) DC (Cactaceae). <i>Malaysian Journal of Science</i> , 2009, 28, 225-239. | 0.2 | 4 |
| 82 | Clinically Relevant Genes and Proteins Modulated by Tocotrienols in Human Colon Cancer Cell Lines: Systematic Scoping Review. <i>Nutrients</i> , 2021, 13, 4056. | 1.7 | 4 |
| 83 | Modulation of C-reactive protein and tumour necrosis factor-alpha in collagen-induced arthritis in Dark Agouti rats: impact of collagen concentration on severity of arthritis. <i>Inflammation Research</i> , 2011, 60, 897-907. | 1.6 | 3 |
| 84 | Ethnic differences in the prognostic utility of rheumatoid factor isotypes and anticyclic citrullinated peptides in rheumatoid arthritis patients: a cross-sectional study. <i>Modern Rheumatology</i> , 2013, 23, 716-721. | 0.9 | 3 |
| 85 | Red palm olein supplementation on cytokines, endothelial function and lipid profile in centrally overweight individuals: a randomised controlled trial. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 609-616. | 1.3 | 3 |
| 86 | Salivary immunoglobulin A (sIgA) responses to bovine colostrum supplementation during regular training in physically active young healthy adolescents. <i>British Journal of Sports Medicine</i> , 2010, 44, i44-i44. | 3.1 | 2 |
| 87 | Palm Tocotrienol-Adjuvanted Dendritic Cells Decrease Expression of the SATB1 Gene in Murine Breast Cancer Cells and Tissues. <i>Vaccines</i> , 2019, 7, 198. | 2.1 | 2 |
| 88 | Linear versus Branched Peptide with Same Amino Acid Sequence for Legumainâ€¢Targeting in Macrophages: Targeting Efficiency and Bioimaging Potential. <i>ChemistrySelect</i> , 2020, 5, 9911-9919. | 0.7 | 2 |
| 89 | Ethnic differences in the prognostic utility of rheumatoid factor isotypes and anticyclic citrullinated peptides in rheumatoid arthritis patients: a cross-sectional study. <i>Modern Rheumatology</i> , 2013, 23, 716-721. | 0.9 | 2 |
| 90 | APOPTOSIS GENE NETWORK REGULATED BY DELTA-TOCOTRIENOL IN K562 CHRONIC MYELOID LEUKAEMIA CELLS. <i>Journal of Oil Palm Research</i> , 2017, 29, 251-261. | 2.1 | 2 |

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|----|--|-----|-----------|
| 91 | Development of an institutional assessment framework. <i>Medical Education</i> , 2018, 52, 572-573. | 1.1 | 1 |
| 92 | Gamma-tocotrienol modifies methylation of HOXA10, IRF4 and ROR γ genes in CD4+ T-lymphocytes: Evidence from a syngeneic mouse model of breast cancer. <i>Current Research in Immunology</i> , 2021, 2, 169-174. | 1.2 | 1 |
| 93 | Investigating Genetic and Other Determinants of First-Onset Myocardial Infarction in Malaysia: Protocol for the Malaysian Acute Vascular Events Risk Study. <i>JMIR Research Protocols</i> , 2022, 11, e31885. | 0.5 | 1 |
| 94 | Clinical characteristics, cytokine profiles and plasma IgE in adults with asthma. <i>Molecular Immunology</i> , 2022, 143, 50-57. | 1.0 | 1 |
| 95 | Biomarkers Regulated by Lipid-Soluble Vitamins in Glioblastoma. <i>Nutrients</i> , 2022, 14, 2873. | 1.7 | 1 |