# Naim A Khan

List of Publications by Year
in descending order

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|---|---|---|---|
| 98 papers | 3,485 citations | 136950 32 h-index | 155660 55 g-index |
| 101 all docs | 101 docs citations | 101 times ranked | 3874 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The gustatory pathway is involved in CD36â€mediated orosensory perception of longâ€chain fatty acids in the mouse. FASEB Journal, 2008, 22, 1458-1468. | 0.5 | 199 |
| 2 | Taste of Fat: A Sixth Taste Modality?. Physiological Reviews, 2016, 96, 151-176. | 28.8 | 191 |
| 3 | CD36- and GPR120-Mediated Ca2+ Signaling in Human Taste Bud Cells Mediates Differential Responses to Fatty Acids and Is Altered inÂObese Mice. Gastroenterology, 2014, 146, 995-1005.e5. | 1.3 | 166 |
| 4 | Linoleic Acid Induces Calcium Signaling, Src Kinase Phosphorylation, and Neurotransmitter Release in Mouse CD36-positive Gustatory Cells. Journal of Biological Chemistry, 2008, 283, 12949-12959. | 3.4 | 161 |
| 5 | Enteroendocrine L Cells Sense LPS after Gut Barrier Injury to Enhance GLP-1 Secretion. Cell Reports, 2017, 21, 1160-1168. | 6.4 | 139 |
| 6 | Antioxidant and Anti-Inflammatory Potential of Polyphenols Contained in Mediterranean Diet in Obesity: Molecular Mechanisms. Molecules, 2021, 26, 985. | 3.8 | 132 |
| 7 | Regulatory activity of polyunsaturated fatty acids in T-cell signaling. Progress in Lipid Research, 2010, 49, 250-261. | 11.6 | 131 |
| 8 | Implication of acyl chain of diacylglycerols in activation of different isoforms of protein kinase C. FASEB Journal, 2001, 15, 2595-2601. | 0.5 | 100 |
| 9 | Oro-sensory perception of dietary lipids: New insights into the fat taste transduction. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 149-155. | 2.4 | 93 |
| 10 | Cell signaling mechanisms of oro-gustatory detection of dietary fat: Advances and challenges. Progress in Lipid Research, 2014, 53, 82-92. | 11.6 | 81 |
| 11 | Docosahexaenoic acid reduces suppressive and migratory functions of CD4CD25 regulatory T-cells. Journal of Lipid Research, 2009, 50, 2377-2388. | 4.2 | 79 |
| 12 | STIM1 regulates calcium signaling in taste bud cells and preference for fat in mice. Journal of Clinical Investigation, 2012, 122, 2267-2282. | 8.2 | 67 |
| 13 | Obesity alters the gustatory perception of lipids in the mouse: plausible involvement of lingual CD36. Journal of Lipid Research, 2013, 54, 2485-2494. | 4.2 | 66 |
| 14 | The A allele of cluster of differentiation 36 (CD36) SNP 1761667 associates with decreased lipid taste perception in obese Tunisian women. British Journal of Nutrition, 2015, 113, 1330-1337. | 2.3 | 66 |
| 15 | Alteration in Taste Perception in Cancer: Causes and Strategies of Treatment. Frontiers in Physiology, 2017, 8, 134. | 2.8 | 66 |
| 16 | Peroxisome Proliferator-Activated Receptor Î± Deficiency Increases the Risk of Maternal Abortion and Neonatal Mortality in Murine Pregnancy with or without Diabetes Mellitus: Modulation of T Cell Differentiation. Endocrinology, 2006, 147, 4410-4418. | 2.8 | 60 |
| 17 | Zizyphus lotus L. (Desf.) modulates antioxidant activity and human T-cell proliferation. BMC Complementary and Alternative Medicine, 2010, 10, 54. | 3.7 | 55 |
| 18 | Oral Fat Sensing and CD36 Gene Polymorphism in Algerian Lean and Obese Teenagers. Nutrients, 2015, 7, 9096-9104. | 4.1 | 55 |

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|---|---|---|---|
| 19 | Ca2+ signaling in taste bud cells and spontaneous preference for fat: Unresolved roles of CD36 and GPR120. Biochimie, 2014, 96, 8-13. | 2.6 | 50 |
| 20 | Regulation of calcium signalling by docosahexaenoic acid in human T-cells: implication of CRAC channels. Journal of Lipid Research, 2000, 41, 277-284. | 4.2 | 50 |
| 21 | Docosahexaenoic Acid Induces Increases in [Ca<sup>2+</sup>]<sub>i</sub>via Inositol 1,4,5-Triphosphate Production and Activates Protein Kinase CÎ³ and -Î´via Phosphatidylserine Binding Site: Implication in Apoptosis in U937 Cells. Molecular Pharmacology, 2007, 72, 1545-1556. | 2.3 | 47 |
| 22 | Olfactory discrimination ability and brain expression of c-fos, Gir and Glut1 mRNA are altered in nâˆ’3 fatty acid-depleted rats. Behavioural Brain Research, 2007, 184, 1-10. | 2.2 | 46 |
| 23 | N-3 fatty acids modulate Th1 and Th2 dichotomy in diabetic pregnancy and macrosomia. Journal of Autoimmunity, 2006, 26, 268-277. | 6.5 | 44 |
| 24 | Dietary (n-3) Polyunsaturated Fatty Acids Exert Antihypertensive Effects by Modulating Calcium Signaling in T Cells of Rats. Journal of Nutrition, 2001, 131, 2364-2369. | 2.9 | 41 |
| 25 | Diacylglycerols Containing Omega 3 and Omega 6 Fatty Acids Bind to RasGRP and Modulate MAP Kinase Activation. Journal of Biological Chemistry, 2004, 279, 1176-1183. | 3.4 | 41 |
| 26 | ERK1 and ERK2 activation modulates diet-induced obesity in mice. Biochimie, 2017, 137, 78-87. | 2.6 | 40 |
| 27 | Thapsigargin-stimulated MAP kinase phosphorylation via CRAC channels and PLD activation: inhibitory action of docosahexaenoic acid. FEBS Letters, 2004, 564, 177-182. | 2.8 | 39 |
| 28 | Orosensory detection of bitter in fat-taster healthy and obese participants: Genetic polymorphism of CD36 and TAS2R38. Clinical Nutrition, 2018, 37, 313-320. | 5.0 | 37 |
| 29 | Carob leaf polyphenols trigger intrinsic apoptotic pathway and induce cell cycle arrest in colon cancer cells. Journal of Functional Foods, 2017, 33, 112-121. | 3.4 | 36 |
| 30 | Modulation of intracellular calcium concentrations and T cell activation by prickly par polyphenols. Molecular and Cellular Biochemistry, 2004, 260, 103-110. | 3.1 | 35 |
| 31 | Peroxisome proliferator-activated receptor-Î± modulates insulin gene transcription factors and inflammation in adipose tissues in mice. Molecular and Cellular Biochemistry, 2009, 323, 101-111. | 3.1 | 35 |
| 32 | Oleanolic acid improves diet-induced obesity by modulating fat preference and inflammation in mice. Biochimie, 2018, 152, 110-120. | 2.6 | 35 |
| 33 | Fat Addiction: Psychological and Physiological Trajectory. Nutrients, 2019, 11, 2785. | 4.1 | 34 |
| 34 | Protective effects of polyphenol-rich infusions from carob (Ceratonia siliqua) leaves and cladodes of Opuntia ficus-indica against inflammation associated with diet-induced obesity and DSS-induced colitis in Swiss mice. Biomedicine and Pharmacotherapy, 2017, 96, 1022-1035. | 5.6 | 33 |
| 35 | nâ€3 Fatty Acids Modulate Tâ€Cell Calcium Signaling in Obese Macrosomic Rats. Obesity, 2004, 12, 1744-1753. | 4.0 | 31 |
| 36 | Preference for dietary fat: From detection to disease. Progress in Lipid Research, 2020, 78, 101032. | 11.6 | 31 |

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|---|---|---|---|
| 37 | Docosahexaenoic acid modulates phorbol ester-induced activation of extracellular signal-regulated kinases 1 and 2 in NIH/3T3 cells. Lipids, 2001, 36, 813-818. | 1.7 | 30 |
| 38 | Polyunsaturated fatty acids in the modulation of T-cell signalling. Prostaglandins Leukotrienes and Essential Fatty Acids, 2010, 82, 179-187. | 2.2 | 30 |
| 39 | ERK1/2 activation in human taste bud cells regulates fatty acid signaling and gustatory perception of fat in mice and humans. FASEB Journal, 2016, 30, 3489-3500. | 0.5 | 30 |
| 40 | Diacylglycerol-containing oleic acid induces increases in [Ca2+]i via TRPC3/6 channels in human T-cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 618-626. | 2.4 | 29 |
| 41 | CD36 gene polymorphism is associated with Alzheimer's disease. Biochimie, 2017, 135, 46-53. | 2.6 | 29 |
| 42 | Role of lipids and fatty acids in macrosomic offspring of diabetic pregnancy. Cell Biochemistry and Biophysics, 2007, 48, 79-88. | 1.8 | 28 |
| 43 | Phenolic extract from oleaster (Olea europaea var. Sylvestris) leaves reduces colon cancer growth and induces caspase-dependent apoptosis in colon cancer cells via the mitochondrial apoptotic pathway. PLoS ONE, 2017, 12, e0170823. | 2.5 | 28 |
| 44 | Docosahexaenoic acid inhibits cancer cell growth via p27Kip1, CDK2, ERK1/ERK2, and retinoblastoma phosphorylation. Journal of Lipid Research, 2006, 47, 2306-2313. | 4.2 | 27 |
| 45 | Effects of polyphenols and lipids from Pennisetum glaucum grains on T-cell activation: modulation of Ca2+ and ERK1/ERK2 signaling. BMC Complementary and Alternative Medicine, 2015, 15, 426. | 3.7 | 27 |
| 46 | The rs1527483, but not rs3212018, CD36 polymorphism associates with linoleic acid detection and obesity in Czech young adults. British Journal of Nutrition, 2018, 119, 472-478. | 2.3 | 25 |
| 47 | Arachidonate 5-lipoxygenase (ALOX5) gene polymorphism is associated with Alzheimer's disease and body mass index. Journal of the Neurological Sciences, 2016, 362, 27-32. | 0.6 | 24 |
| 48 | Implication of three isoforms of PLA2in human T-cell proliferation. FEBS Letters, 2002, 520, 111-116. | 2.8 | 23 |
| 49 | Ageâ€Related Changes in Fatty Acids in Obese Offspring of Streptozotocinâ€Induced Diabetic Rats. Obesity, 2002, 10, 703-714. | 4.0 | 23 |
| 50 | Effects of Zizyphus lotus L. (Desf.) polyphenols on Jurkat cell signaling and proliferation. International Immunopharmacology, 2013, 15, 364-371. | 3.8 | 21 |
| 51 | Management of Childhood Obesityâ€"Time to Shift from Generalized to Personalized Intervention Strategies. Nutrients, 2021, 13, 1200. | 4.1 | 21 |
| 52 | Nâ€3 Polyunsaturated Fatty Acids Modulate Inâ€Vitro T Cell Function in Type I Diabetic Patients. Lipids, 2008, 43, 485-497. | 1.7 | 20 |
| 53 | Grape seed and skin extract reduces pancreas lipotoxicity, oxidative stress and inflammation in high fat diet fed rats. Biomedicine and Pharmacotherapy, 2016, 84, 2020-2028. | 5.6 | 20 |
| 54 | Novel GPR120 agonist TUG891 modulates fat taste perception and preference and activates tongue-brain-gut axis in mice. Journal of Lipid Research, 2020, 61, 133-142. | 4.2 | 20 |

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|---|---|---|---|
| 55 | A cross-talk between fat and bitter taste modalities. Biochimie, 2019, 159, 3-8. | 2.6 | 19 |
| 56 | Peroxisome proliferator-activated receptor alpha deficiency impairs regulatory T cell functions: Possible application in the inhibition of melanoma tumor growth in mice. Biochimie, 2016, 131, 1-10. | 2.6 | 18 |
| 57 | Docosahexaenoic acid and other fatty acids induce a decrease in pHi in Jurkat T-cells. British Journal of Pharmacology, 2003, 140, 1217-1226. | 5.4 | 17 |
| 58 | Taste of Fat and Obesity: Different Hypotheses and Our Point of View. Nutrients, 2022, 14, 555. | 4.1 | 17 |
| 59 | Obesity and COVID-19: Oro-Naso-Sensory Perception. Journal of Clinical Medicine, 2020, 9, 2158. | 2.4 | 16 |
| 60 | Anakinra for severe forms of COVID-19. Lancet Rheumatology, The, 2020, 2, e586-e587. | 3.9 | 16 |
| 61 | Impaired lipoprotein metabolism in obese offspring of streptozotocin-induced diabetic rats. Lipids, 2002, 37, 773-781. | 1.7 | 15 |
| 62 | Plasma phospholipid transfer protein (PLTP) modulates adaptive immune functions through alternation of T helper cell polarization. Cellular and Molecular Immunology, 2016, 13, 795-804. | 10.5 | 15 |
| 63 | Fatty Acid Lingual Application Activates Gustatory and Reward Brain Circuits in the Mouse. Nutrients, 2018, 10, 1246. | 4.1 | 15 |
| 64 | Bile acid receptor TGR5 is critically involved in preference for dietary lipids and obesity. Journal of Nutritional Biochemistry, 2020, 76, 108298. | 4.2 | 15 |
| 65 | The desert gerbil Psammomys obesus as a model for metformin-sensitive nutritional type 2 diabetes to protect hepatocellular metabolic damage: Impact of mitochondrial redox state. PLoS ONE, 2017, 12, e0172053. | 2.5 | 14 |
| 66 | Orosensory Detection of Dietary Fatty Acids Is Altered in CB1Râ^'/â^' Mice. Nutrients, 2018, 10, 1347. | 4.1 | 14 |
| 67 | Docosahexaenoic acid modulates the expression of T-bet and GATA-3 transcription factors, independently of PPARÎ±, through suppression of MAP kinase activation. Biochimie, 2009, 91, 1359-1365. | 2.6 | 13 |
| 68 | Cassava-enriched diet is not diabetogenic rather it aggravates diabetes in rats. Fundamental and Clinical Pharmacology, 2006, 20, 579-586. | 1.9 | 12 |
| 69 | Fatty acid composition, enzyme activities and metallothioneins in Donax trunculus (Mollusca,) Tj ETQq1 1 0.784314 rgBT /Overlock 1 transplantation. Environmental Pollution, 2018, 237, 900-907. | 7.5 | 12 |
| 70 | Effect of cadmium exposure on essential omega-3 fatty acids in the edible bivalve Donax trunculus. Environmental Science and Pollution Research, 2018, 25, 18242-18250. | 5.3 | 12 |
| 71 | Single-nucleotide polymorphism rs1761667 in the CD36 gene is associated with orosensory perception of a fatty acid in obese and normal-weight Moroccan subjects. Journal of Nutritional Science, 2020, 9, e24. | 1.9 | 12 |
| 72 | Implication of TRPC3 channel in gustatory perception of dietary lipids. Acta Physiologica, 2021, 231, e13554. | 3.8 | 12 |

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|---|---|---|---|
| 73 | Oro-Gustatory Perception of Dietary Lipids and Calcium Signaling in Taste Bud Cells Are Altered in Nutritionally Obesity-Prone Psammomys obesus. PLoS ONE, 2013, 8, e68532. | 2.5 | 11 |
| 74 | Biochemical characterization and antioxidant activity of grape (Vitis vinifera  L.) seed oils from nine Tunisian varieties. Journal of Food Biochemistry, 2018, 42, e12595. | 2.9 | 11 |
| 75 | Cellular and Molecular Mechanisms of Fat Taste Perception. Handbook of Experimental Pharmacology, 2021, , 247-270. | 1.8 | 11 |
| 76 | CD36 gene is associated with intraocular pressure elevation after intravitreal application of anti-VEGF agents in patients with age-related macular degeneration: Implications for the safety of the therapy. Ophthalmic Genetics, 2018, 39, 4-10. | 1.2 | 10 |
| 77 | Th1/Th2 Dichotomy in Obese Women with Gestational Diabetes and Their Macrosomic Babies. Journal of Diabetes Research, 2018, 2018, 1-7. | 2.3 | 10 |
| 78 | CD36 and GPR120 Methylation Associates with Orosensory Detection Thresholds for Fat and Bitter in Algerian Young Obese Children. Journal of Clinical Medicine, 2020, 9, 1956. | 2.4 | 10 |
| 79 | Mycobacterium tuberculosis secretory proteins downregulate T cell activation by interfering with proximal and downstream T cell signalling events. BMC Immunology, 2015, 16, 67. | 2.2 | 8 |
| 80 | On Cell Signalling Mechanism of Mycobaterium Leprae Soluble Antigen (MLSA) in Jurkat T Cells. Molecular and Cellular Biochemistry, 2006, 287, 157-164. | 3.1 | 7 |
| 81 | Implication of corticotropic hormone axis in eating behaviour pattern in obese and type 2 diabetic participants. British Journal of Nutrition, 2015, 113, 1237-1243. | 2.3 | 7 |
| 82 | Zizyphin modulates calcium signalling in human taste bud cells and fat taste perception in the mouse. Fundamental and Clinical Pharmacology, 2017, 31, 486-494. | 1.9 | 7 |
| 83 | Antiinflammatory and antioxidant activities of a polyphenolâ€rich extract from Zizyphus lotus L fruit pulp play a protective role against obesity. Journal of Food Biochemistry, 2018, 42, e12689. | 2.9 | 7 |
| 84 | Zizyphus lotus L. fruit attenuates obesity-associated alterations: in vivo mechanisms. Archives of Physiology and Biochemistry, 2021, 127, 119-126. | 2.1 | 5 |
| 85 | Tongue Leptin Decreases Oro-Sensory Perception of Dietary Fatty Acids. Nutrients, 2022, 14, 197. | 4.1 | 5 |
| 86 | Taste perception and its effects on oral nutritional supplements in younger life phases. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 411-415. | 2.5 | 4 |
| 87 | Spirulina reduces diet-induced obesity through downregulation of lipogenic genes expression in Psammomys obesus. Archives of Physiology and Biochemistry, 2022, 128, 1001-1009. | 2.1 | 4 |
| 88 | DHA induces Jurkat T-cell arrest in G2/M phase of cell cycle and modulates the plasma membrane expression of TRPC3/6 channels. Biochimie, 2021, 181, 169-175. | 2.6 | 4 |
| 89 | Role of T-cells in diabetic pregnancy and macrosomia. Indian Journal of Biochemistry and Biophysics, 2007, 44, 344-9. | 0.0 | 4 |
| 90 | Is fat taste associated with diet quality? A cross-sectional study conducted among Tunisian adults. Appetite, 2022, 176, 106138. | 3.7 | 4 |

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|---|---|---|---|
| 91 | Inflammation et immunitÃ© : implications dans lâ€™obÃ©sitÃ© et le diabÃ¨te de type 2. Oleagineux Corps Gras Lipides, 2006, 13, 343-351. | 0.2 | 3 |
| 92 | Eicosapentaenoic acid modulates fatty acid metabolism and inflammation in Psammomys obesus. Biochimie, 2015, 109, 60-66. | 2.6 | 3 |
| 93 | Circulating mir-21 and mir-146a are associated with increased cytokines and CD36 in Algerian obese male participants. Archives of Physiology and Biochemistry, 2022, 128, 1461-1466. | 2.1 | 3 |
| 94 | New ferrocene-integrated multifunctional guanidine surfactants: synthesis, spectroscopic elucidation, DNA interaction studies, and DFT calculations. New Journal of Chemistry, 2021, 46, 185-198. | 2.8 | 3 |
| 95 | Nutrition: From Bench to Bedside. Journal of Nutrition and Metabolism, 2016, 2016, 1-2. | 1.8 | 1 |
| 96 | Editorial: Free Fatty Acids as Signaling Molecules: Role of Free Fatty Acid Receptors and CD36. Frontiers in Physiology, 2022, 13, 862458. | 2.8 | 1 |
| 97 | Nutritional properties and plausible benefits of Pearl millet (Pennisetum glaucum) on bone metabolism and osteoimmunology : a mini-review. Najfnr, 2020, 4, 336-342. | 0.3 | 0 |
| 98 | Nutritional properties and plausible benefits of Pearl millet (Pennisetum glaucum) on bone metabolism and osteoimmunology : a mini-review. Najfnr, 2020, 4, 336-342. | 0.3 | 0 |