

# Aziz Hichami

## List of Publications by Year in descending order

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81  
papers

3,500  
citations

122655

33  
h-index

144563

57  
g-index

88  
all docs

88  
docs citations

88  
times ranked

5577  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Modulation of Adipokines and Cytokines in Gestational Diabetes and Macrosomia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 4137-4143.   | 3.6  | 330       |
| 2  | Stat3 and Gfi-1 Transcription Factors Control Th17 Cell Immunosuppressive Activity via the Regulation of Ectonucleotidase Expression. <i>Immunity</i> , 2012, 36, 362-373.  | 14.2 | 280       |
| 3  | The gustatory pathway is involved in CD36-mediated orosensory perception of long-chain fatty acids in the mouse. <i>FASEB Journal</i> , 2008, 22, 1458-1468.  | 0.5  | 201       |
| 4  | Linoleic Acid Induces Calcium Signaling, Src Kinase Phosphorylation, and Neurotransmitter Release in Mouse CD36-positive Gustatory Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 12949-12959.  | 3.5  | 164       |
| 5  | Antioxidant and Anti-Inflammatory Potential of Polyphenols Contained in Mediterranean Diet in Obesity: Molecular Mechanisms. <i>Molecules</i> , 2021, 26, 985.  | 3.9  | 152       |
| 6  | n-3 PUFAs modulate T-cell activation via protein kinase C- $\alpha$ and - $\beta$ and the NF- $\kappa$ B signaling pathway. <i>Journal of Lipid Research</i> , 2005, 46, 752-758.   | 4.2  | 103       |
| 7  | Implication of acyl chain of diacylglycerols in activation of different isoforms of protein kinase C. <i>FASEB Journal</i> , 2001, 15, 2595-2601.   | 0.5  | 100       |
| 8  | Endocytosis of Resveratrol via Lipid Rafts and Activation of Downstream Signaling Pathways in Cancer Cells. <i>Cancer Prevention Research</i> , 2011, 4, 1095-1106.   | 1.6  | 89        |
| 9  | Antioxidant status and circulating lipids are altered in human gestational diabetes and macrosomia. <i>Translational Research</i> , 2007, 150, 164-171.   | 5.2  | 86        |
| 10 | Docosahexaenoic acid reduces suppressive and migratory functions of CD4CD25 regulatory T-cells. <i>Journal of Lipid Research</i> , 2009, 50, 2377-2388.   | 4.2  | 83        |
| 11 | Immunomodulation and Anti-inflammatory Roles of Polyphenols as Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 852-873.   | 1.8  | 76        |
| 12 | Eicosapentaenoic acid and docosahexaenoic acid modulate MAP kinase (ERK1/ERK2) signaling in human T cells. <i>Journal of Lipid Research</i> , 2001, 42, 2015-2020.  | 4.2  | 73        |
| 13 | STIM1 regulates calcium signaling in taste bud cells and preference for fat in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 2267-2282.   | 8.2  | 69        |
| 14 | Peroxisome Proliferator-Activated Receptor $\alpha$ Deficiency Increases the Risk of Maternal Abortion and Neonatal Mortality in Murine Pregnancy with or without Diabetes Mellitus: Modulation of T Cell Differentiation. <i>Endocrinology</i> , 2006, 147, 4410-4418. | 2.8  | 63        |
| 15 | N-3 Fatty acids modulate antioxidant status in diabetic rats and their macrosomic offspring. <i>International Journal of Obesity</i> , 2006, 30, 739-750.   | 3.5  | 57        |
| 16 | Growth factor concentrations and their placental mRNA expression are modulated in gestational diabetes mellitus: possible interactions with macrosomia. <i>BMC Pregnancy and Childbirth</i> , 2010, 10, 7.  | 2.4  | 57        |
| 17 | Zizyphus lotus L. (Desf.) modulates antioxidant activity and human T-cell proliferation. <i>BMC Complementary and Alternative Medicine</i> , 2010, 10, 54.  | 3.7  | 56        |
| 18 | Modulation of lipid metabolism by n <sup>-3</sup> polyunsaturated fatty acids in gestational diabetic rats and their macrosomic offspring. <i>Clinical Science</i> , 2005, 109, 287-295.  | 4.3  | 55        |

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|----|--|-----|-----------|
| 19 | Trans-10, cis-12 conjugated linoleic acid induced cell death in human colon cancer cells through reactive oxygen species-mediated ER stress. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 759-768.  | 2.6 | 52        |
| 20 | SOCS3 Transactivation by PPAR $\gamma$ Prevents IL-17 $\alpha$ -Driven Cancer Growth. <i>Cancer Research</i> , 2013, 73, 3578-3590.  | 0.9 | 51        |
| 21 | Docosahexaenoic Acid Induces Increases in [Ca <sup>2+</sup> ] <sub>i</sub> via Inositol 1,4,5-Triphosphate Production and Activates Protein Kinase C $\beta$ and $\delta$ via Phosphatidyserine Binding Site: Implication in Apoptosis in U937 Cells. <i>Molecular Pharmacology</i> , 2007, 72, 1545-1556. | 2.3 | 47        |
| 22 | Olfactory discrimination ability and brain expression of c-fos, Gir and Glut1 mRNA are altered in n $\alpha$ -3 fatty acid-depleted rats. <i>Behavioural Brain Research</i> , 2007, 184, 1-10.   | 2.3 | 46        |
| 23 | Eicosapentaenoic acid and docosahexaenoic acid modulate MAP kinase enzyme activity in human T-cells. <i>Molecular and Cellular Biochemistry</i> , 2002, 232, 143-148.  | 3.1 | 44        |
| 24 | N-3 fatty acids modulate Th1 and Th2 dichotomy in diabetic pregnancy and macrosomia. <i>Journal of Autoimmunity</i> , 2006, 26, 268-277.   | 6.7 | 44        |
| 25 | Dietary (n-3) Polyunsaturated Fatty Acids Exert Antihypertensive Effects by Modulating Calcium Signaling in T Cells of Rats. <i>Journal of Nutrition</i> , 2001, 131, 2364-2369.   | 2.7 | 41        |
| 26 | Diacylglycerols Containing Omega 3 and Omega 6 Fatty Acids Bind to RasGRP and Modulate MAP Kinase Activation. <i>Journal of Biological Chemistry</i> , 2004, 279, 1176-1183.   | 3.5 | 41        |
| 27 | Activation of TRPC6 calcium channels by diacylglycerol (DAG)-containing arachidonic acid: A comparative study with DAG-containing docosahexaenoic acid. <i>Biochimie</i> , 2007, 89, 926-937.  | 2.9 | 39        |
| 28 | Oleanolic acid improves diet-induced obesity by modulating fat preference and inflammation in mice. <i>Biochimie</i> , 2018, 152, 110-120.   | 2.9 | 39        |
| 29 | Carob leaf polyphenols trigger intrinsic apoptotic pathway and induce cell cycle arrest in colon cancer cells. <i>Journal of Functional Foods</i> , 2017, 33, 112-121.   | 3.5 | 38        |
| 30 | Modulation of intracellular calcium concentrations and T cell activation by prickly pear polyphenols. <i>Molecular and Cellular Biochemistry</i> , 2004, 260, 103-110.   | 3.1 | 37        |
| 31 | Protective effects of polyphenol-rich infusions from carob ( <i>Ceratonia siliqua</i> ) leaves and cladodes of <i>Opuntia ficus-indica</i> against inflammation associated with diet-induced obesity and DSS-induced colitis in Swiss mice. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 1022-1035.  | 5.8 | 37        |
| 32 | Ionotropic 5-hydroxytryptamine type 3 receptor activates the protein kinase C-dependent phospholipase D pathway in human T-cells. <i>Biochemical Journal</i> , 1999, 344, 199-204.   | 3.8 | 36        |
| 33 | Peroxisome proliferator-activated receptor- $\gamma$ modulates insulin gene transcription factors and inflammation in adipose tissues in mice. <i>Molecular and Cellular Biochemistry</i> , 2009, 323, 101-111.  | 3.1 | 36        |
| 34 | Docosahexaenoic acid inhibits both NLRP3 inflammasome assembly and JNK-mediated mature IL-1 $\beta$ secretion in 5-fluorouracil-treated MDSC: implication in cancer treatment. <i>Cell Death and Disease</i> , 2019, 10, 485.  | 6.4 | 36        |
| 35 | Effects of polyphenols and lipids from <i>Pennisetum glaucum</i> grains on T-cell activation: modulation of Ca <sup>2+</sup> and ERK1/ERK2 signaling. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 426.   | 3.7 | 33        |
| 36 | n $\alpha$ -3 Fatty Acids Modulate T $\alpha$ Cell Calcium Signaling in Obese Macrosomic Rats. <i>Obesity</i> , 2004, 12, 1744-1753.   | 3.8 | 31        |

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|----|--|-----|-----------|
| 37 | Phenolic extract from oleaster ( <i>Olea europaea</i> var. <i>Sylvestris</i> ) leaves reduces colon cancer growth and induces caspase-dependent apoptosis in colon cancer cells via the mitochondrial apoptotic pathway. <i>PLoS ONE</i> , 2017, 12, e0170823. | 2.5 | 31        |
| 38 | Docosahexaenoic acid modulates phorbol ester-induced activation of extracellular signal-regulated kinases 1 and 2 in NIH/3T3 cells. <i>Lipids</i> , 2001, 36, 813-818.   | 1.8 | 30        |
| 39 | Diacylglycerol-containing oleic acid induces increases in $[Ca^{2+}]_i$ via TRPC3/6 channels in human T-cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 618-626.  | 2.6 | 30        |
| 40 | Involvement of cyclic AMP in the effects of phosphodiesterase IV inhibitors on arachidonate release from mononuclear cells. <i>European Journal of Pharmacology</i> , 1995, 291, 91-97.  | 2.3 | 29        |
| 41 | Anti-hyperglycemic effects of three medicinal plants in diabetic pregnancy: modulation of T cell proliferation. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 77.  | 3.7 | 27        |
| 42 | Age-Related Changes in Fatty Acids in Obese Offspring of Streptozotocin-Induced Diabetic Rats. <i>Obesity</i> , 2002, 10, 703-714.   | 3.8 | 23        |
| 43 | $\omega$ -3 Polyunsaturated Fatty Acids Modulate In Vitro T Cell Function in Type I Diabetic Patients. <i>Lipids</i> , 2008, 43, 485-497.  | 1.8 | 23        |
| 44 | Grape seed and skin extract reduces pancreas lipotoxicity, oxidative stress and inflammation in high fat diet fed rats. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 2020-2028.  | 5.8 | 23        |
| 45 | Effects of <i>Zizyphus lotus</i> L. (Desf.) polyphenols on Jurkat cell signaling and proliferation. <i>International Immunopharmacology</i> , 2013, 15, 364-371.   | 3.8 | 22        |
| 46 | A cross-talk between fat and bitter taste modalities. <i>Biochimie</i> , 2019, 159, 3-8.   | 2.9 | 22        |
| 47 | Novel GPR120 agonist TUG891 modulates fat taste perception and preference and activates tongue-brain-gut axis in mice. <i>Journal of Lipid Research</i> , 2020, 61, 133-142.   | 4.2 | 22        |
| 48 | Peroxisome proliferator-activated receptor alpha deficiency impairs regulatory T cell functions: Possible application in the inhibition of melanoma tumor growth in mice. <i>Biochimie</i> , 2016, 131, 1-10.  | 2.9 | 18        |
| 49 | Impaired lipoprotein metabolism in obese offspring of streptozotocin-induced diabetic rats. <i>Lipids</i> , 2002, 37, 773-781.   | 1.8 | 16        |
| 50 | Obesity and COVID-19: Oro-Naso-Sensory Perception. <i>Journal of Clinical Medicine</i> , 2020, 9, 2158.  | 2.5 | 16        |
| 51 | Bile acid receptor TGR5 is critically involved in preference for dietary lipids and obesity. <i>Journal of Nutritional Biochemistry</i> , 2020, 76, 108298.  | 4.3 | 15        |
| 52 | Diacylglycerol-Containing Docosahexaenoic Acid in Acyl Chain Modulates Airway Smooth Muscle Tone. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 378-386.   | 3.3 | 14        |
| 53 | Orosensory Detection of Dietary Fatty Acids Is Altered in $CB1R^{-/-}$ Mice. <i>Nutrients</i> , 2018, 10, 1347.  | 4.2 | 14        |
| 54 | Docosahexaenoic acid modulates the expression of T-bet and GATA-3 transcription factors, independently of PPAR $\gamma$ , through suppression of MAP kinase activation. <i>Biochimie</i> , 2009, 91, 1359-1365.  | 2.9 | 13        |



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|----|---|-----|-----------|
| 73 | DHA induces Jurkat T-cell arrest in G2/M phase of cell cycle and modulates the plasma membrane expression of TRPC3/6 channels. <i>Biochimie</i> , 2021, 181, 169-175.                                       | 2.9 | 4         |
| 74 | Eicosapentaenoic acid modulates fatty acid metabolism and inflammation in <i>Psammomys obesus</i> . <i>Biochimie</i> , 2015, 109, 60-66.  | 2.9 | 3         |
| 75 | Évaluation de la prescription des plans d'actions d'asthme par les médecins d'Aquitaine. <i>Revue Des Maladies Respiratoires</i> , 2016, 33, 365-376.   | 0.5 | 3         |
| 76 | Stimulation of $Rb^+$ influx by bradykinin through $Na^+/K^+/Cl^-$ cotransport and $Na^+/K^+$ -atpase in NIH-3T3 fibroblasts. <i>Life Sciences</i> , 1996, 59, 1829-1837.                                   | 4.4 | 2         |
| 77 | Diacylglycerols containing omega 3 and omega 6 fatty acids bind to RasGRP and modulate MAP kinase activation. Vol. 279 (2004) 1176-1183. <i>Journal of Biological Chemistry</i> , 2004, 279, 23846.         | 3.5 | 2         |
| 78 | In Vitro Functional Characterization of Type-I Taste Bud Cells as Monocytes/Macrophages-like Which Secrete Proinflammatory Cytokines. <i>International Journal of Molecular Sciences</i> , 2023, 24, 10325. | 4.2 | 2         |
| 79 | Mécanismes de la perception gustative des lipides alimentaires. <i>Medecine/Sciences</i> , 2008, 24, 692-693.   | 0.2 | 1         |
| 80 | Nutrition: From Bench to Bedside. <i>Journal of Nutrition and Metabolism</i> , 2016, 2016, 1-2.   | 1.8 | 1         |
| 81 | Un nouvel acteur dans la perception gustative des lipides alimentaires: le canal calcique TRPC3. <i>Medecine/Sciences</i> , 2021, 37, 704-705.  | 0.2 | 0         |