

Faiyaz Ahmad

List of Publications by Year in descending order

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44
papers

4,714
citations

159585
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265206
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docs citations

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Resveratrol Ameliorates Aging-Related Metabolic Phenotypes by Inhibiting cAMP Phosphodiesterases. <i>Cell</i> , 2012, 148, 421-433. | 28.9 | 1,162 |
| 2 | Advances in targeting cyclic nucleotide phosphodiesterases. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 290-314. | 46.4 | 614 |
| 3 | Tumor Necrosis Factor- α Stimulates Lipolysis in Differentiated Human Adipocytes Through Activation of Extracellular Signal-Related Kinase and Elevation of Intracellular cAMP. <i>Diabetes</i> , 2002, 51, 2929-2935. | 0.6 | 372 |
| 4 | Clinical and Molecular Genetics of the Phosphodiesterases (PDEs). <i>Endocrine Reviews</i> , 2014, 35, 195-233. | 20.1 | 228 |
| 5 | Osmotic Loading of Neutralizing Antibodies Demonstrates a Role for Protein-tyrosine Phosphatase 1B in Negative Regulation of the Insulin Action Pathway. <i>Journal of Biological Chemistry</i> , 1995, 270, 20503-20508. | 3.4 | 211 |
| 6 | Regulation of the insulin signalling pathway by cellular protein-tyrosine phosphatases. <i>Molecular and Cellular Biochemistry</i> , 1998, 182, 91-99. | 3.1 | 159 |
| 7 | Alterations in regulation of energy homeostasis in cyclic nucleotide phosphodiesterase 3B β null mice. <i>Journal of Clinical Investigation</i> , 2006, 116, 3240-3251. | 8.2 | 156 |
| 8 | Improved sensitivity to insulin in obese subjects following weight loss is accompanied by reduced protein-tyrosine phosphatases in adipose tissue. <i>Metabolism: Clinical and Experimental</i> , 1997, 46, 1140-1145. | 3.4 | 121 |
| 9 | Increased abundance of specific skeletal muscle protein-tyrosine phosphatases in a genetic model of insulin-resistant obesity and diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 1995, 44, 1175-1184. | 3.4 | 116 |
| 10 | Phosphodiesterase Type 3A Regulates Basal Myocardial Contractility Through Interacting With Sarcoplasmic Reticulum Calcium ATPase Type 2a Signaling Complexes in Mouse Heart. <i>Circulation Research</i> , 2013, 112, 289-297. | 4.5 | 114 |
| 11 | From PDE3B to the regulation of energy homeostasis. <i>Current Opinion in Pharmacology</i> , 2011, 11, 676-682. | 3.5 | 111 |
| 12 | Isoforms of Cyclic Nucleotide Phosphodiesterase PDE3A in Cardiac Myocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 38072-38078. | 3.4 | 109 |
| 13 | Isoforms of Cyclic Nucleotide Phosphodiesterase PDE3 and Their Contribution to cAMP Hydrolytic Activity in Subcellular Fractions of Human Myocardium. <i>Journal of Biological Chemistry</i> , 2005, 280, 39168-39174. | 3.4 | 99 |
| 14 | Functional Association between the Insulin Receptor and the Transmembrane Protein-tyrosine Phosphatase LAR in Intact Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 448-457. | 3.4 | 91 |
| 15 | Phosphodiesterase 4D Regulates Baseline Sarcoplasmic Reticulum Ca ²⁺ Release and Cardiac Contractility, Independently of L-Type Ca ²⁺ Current. <i>Circulation Research</i> , 2011, 109, 1024-1030. | 4.5 | 84 |
| 16 | The Role of PDE3B Phosphorylation in the Inhibition of Lipolysis by Insulin. <i>Molecular and Cellular Biology</i> , 2015, 35, 2752-2760. | 2.3 | 73 |
| 17 | Regulation of Sarcoplasmic Reticulum Ca ²⁺ ATPase 2 (SERCA2) Activity by Phosphodiesterase 3A (PDE3A) in Human Myocardium. <i>Journal of Biological Chemistry</i> , 2015, 290, 6763-6776. | 3.4 | 73 |
| 18 | Insulin like activity in (α^{\sim}) epicatechin. <i>Acta Diabetologica Latina</i> , 1989, 26, 291-300. | 0.2 | 70 |

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|----|--|-----|-----------|
| 19 | Targeted disruption of PDE3B, but not PDE3A, protects murine heart from ischemia/reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2253-62. | 7.1 | 65 |
| 20 | Cyclic Nucleotide Phosphodiesterase 3B Is a Downstream Target of Protein Kinase B and May Be Involved in Regulation of Effects of Protein Kinase B on Thymidine Incorporation in FDCP2 Cells. Journal of Immunology, 2000, 164, 4678-4688. | 0.8 | 58 |
| 21 | Insulin-induced formation of macromolecular complexes involved in activation of cyclic nucleotide phosphodiesterase 3B (PDE3B) and its interaction with PKB. Biochemical Journal, 2007, 404, 257-268. | 3.7 | 49 |
| 22 | Regulation of the insulin signalling pathway by cellular protein-tyrosine phosphatases. , 1998, , 91-99. | | 49 |
| 23 | Identification of a novel isoform of the cyclic-nucleotide phosphodiesterase PDE3A expressed in vascular smooth-muscle myocytes. Biochemical Journal, 2001, 353, 41-50. | 3.7 | 45 |
| 24 | Purification, identification and subcellular distribution of three predominant protein-tyrosine phosphatase enzymes in skeletal muscle tissue. BBA - Proteins and Proteomics, 1995, 1248, 57-69. | 2.1 | 44 |
| 25 | Plasma membrane cyclic nucleotide phosphodiesterase 3B (PDE3B) is associated with caveolae in primary adipocytes. Cellular Signalling, 2006, 18, 1713-1721. | 3.6 | 43 |
| 26 | Effect of tumor necrosis factor- α on the phosphorylation of tyrosine kinase receptors is associated with dynamic alterations in specific protein-tyrosine phosphatases. Journal of Cellular Biochemistry, 1997, 64, 117-127. | 2.6 | 42 |
| 27 | Differential regulation of adipocyte PDE3B in distinct membrane compartments by insulin and the β -adrenergic receptor agonist CL316243: effects of caveolin-1 knockdown on formation/maintenance of macromolecular signalling complexes. Biochemical Journal, 2009, 424, 399-410. | 3.7 | 40 |
| 28 | Hypoglycemic activity of Pterocarpus marsupium wood. Journal of Ethnopharmacology, 1991, 35, 71-75. | 4.1 | 35 |
| 29 | Phosphodiesterase 3B (PDE3B) regulates NLRP3 inflammasome in adipose tissue. Scientific Reports, 2016, 6, 28056. | 3.3 | 34 |
| 30 | Regulation of Insulin Action by Protein Tyrosine Phosphatases. Vitamins and Hormones, 1998, 54, 67-96. | 1.7 | 31 |
| 31 | Specific Sirt1 Activator-mediated Improvement in Glucose Homeostasis Requires Sirt1-Independent Activation of AMPK. EBioMedicine, 2017, 18, 128-138. | 6.1 | 30 |
| 32 | Multisite phosphorylation of adipocyte and hepatocyte phosphodiesterase 3B. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 584-592. | 4.1 | 26 |
| 33 | Functions of PDE3 Isoforms in Cardiac Muscle. Journal of Cardiovascular Development and Disease, 2018, 5, 10. | 1.6 | 26 |
| 34 | White to beige conversion in PDE3B KO adipose tissue through activation of AMPK signaling and mitochondrial function. Scientific Reports, 2017, 7, 40445. | 3.3 | 24 |
| 35 | Interaction of phosphodiesterase 3A with brefeldin A-inhibited guanine nucleotide-exchange proteins BIG1 and BIG2 and effect on ARF1 activity. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6158-6163. | 7.1 | 23 |
| 36 | Selective regulation of cyclic nucleotide phosphodiesterase PDE3A isoforms. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19778-19783. | 7.1 | 23 |

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|----|---|-----|-----------|
| 37 | A Role for Phosphodiesterase 3B in Acquisition of Brown Fat Characteristics by White Adipose Tissue in Male Mice. <i>Endocrinology</i> , 2013, 154, 3152-3167. | 2.8 | 21 |
| 38 | Effects of the Human Immunodeficiency Virus-Protease Inhibitor, Ritonavir, on Basal and Catecholamine-Stimulated Lipolysis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 3251-3261. | 3.6 | 19 |
| 39 | Phosphodiesterase type 3A (PDE3A), but not type 3B (PDE3B), contributes to the adverse cardiac remodeling induced by pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 132, 60-70. | 1.9 | 14 |
| 40 | Effect of some novel synthetic analogues of CCK-4 on insulin and glucagon secretion. <i>Acta Diabetologica Latina</i> , 1989, 26, 203-209. | 0.2 | 3 |
| 41 | Potent PDE4 inhibitor activates AMPK and Sirt1 to induce mitochondrial biogenesis. <i>PLoS ONE</i> , 2021, 16, e0253269. | 2.5 | 3 |
| 42 | Effect of age on the binding of lectin125I-PHA-B to pancreatic islets of rat in vitro and stimulation of some cellular events. <i>Acta Diabetologica Latina</i> , 1989, 26, 171-180. | 0.2 | 2 |
| 43 | Adenovirus-Mediated Overexpression of Murine Cyclic Nucleotide Phosphodiesterase 3B. , 2005, 307, 093-108. | | 1 |
| 44 | Effects of heterologous expression of human cyclic nucleotide phosphodiesterase 3A (hPDE3A) on redox regulation in yeast. <i>Biochemical Journal</i> , 2016, 473, 4205-4225. | 3.7 | 1 |