# Vassilis Aidinis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2170383/publications.pdf

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|---|---|---|---|
| 103 papers | 8,362 citations | 81900 39 h-index | 48315 88 g-index |
| 136 all docs | 136 docs citations | 136 times ranked | 12928 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Transcriptional Landscape of the Mammalian Genome. Science, 2005, 309, 1559-1563. | 12.6 | 3,227 |
| 2 | Modeling pulmonary fibrosis with bleomycin. Current Opinion in Pulmonary Medicine, 2011, 17, 355-361. | 2.6 | 259 |
| 3 | Exploring Animal Models That Resemble Idiopathic Pulmonary Fibrosis. Frontiers in Medicine, 2017, 4, 118. | 2.6 | 213 |
| 4 | Pulmonary Autotaxin Expression Contributes to the Pathogenesis of Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 566-574. | 2.9 | 209 |
| 5 | Lysoglycerophospholipids in chronic inflammatory disorders: The PLA2/LPC and ATX/LPA axes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 42-60. | 2.4 | 202 |
| 6 | Global Impairment of CD4<sup>+</sup>CD25<sup>+</sup>FOXP3<sup>+</sup>Regulatory T Cells in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 1121-1130. | 5.6 | 196 |
| 7 | Paracrine orchestration of intestinal tumorigenesis by a mesenchymal niche. Nature, 2020, 580, 524-529. | 27.8 | 183 |
| 8 | The RNA-Binding Protein Elavl1/HuR Is Essential for Placental Branching Morphogenesis and Embryonic Development. Molecular and Cellular Biology, 2009, 29, 2762-2776. | 2.3 | 182 |
| 9 | Comparative Expression Profiling in Pulmonary Fibrosis Suggests a Role of Hypoxia-inducible Factor-1Î± in Disease Pathogenesis. American Journal of Respiratory and Critical Care Medicine, 2007, 176, 1108-1119. | 5.6 | 178 |
| 10 | Targeting a Complex Transcriptome: The Construction of the Mouse Full-Length cDNA Encyclopedia. Genome Research, 2003, 13, 1273-1289. | 5.5 | 154 |
| 11 | Autotaxin expression from synovial fibroblasts is essential for the pathogenesis of modeled arthritis. Journal of Experimental Medicine, 2012, 209, 925-933. | 8.5 | 143 |
| 12 | Hepatocyte autotaxin expression promotes liver fibrosis and cancer. Hepatology, 2017, 65, 1369-1383. | 7.3 | 134 |
| 13 | ATX expression and LPA signalling are vital for the development of the nervous system. Developmental Biology, 2010, 339, 451-464. | 2.0 | 133 |
| 14 | Advances in De Novo Drug Design: From Conventional to Machine Learning Methods. International Journal of Molecular Sciences, 2021, 22, 1676. | 4.1 | 131 |
| 15 | Lung cancer in patients with idiopathic pulmonary fibrosis. Pulmonary Pharmacology and Therapeutics, 2017, 45, 1-10. | 2.6 | 129 |
| 16 | Soluble TNF Mediates the Transition from Pulmonary Inflammation to Fibrosis. PLoS ONE, 2006, 1, e108. | 2.5 | 116 |
| 17 | The RAG1 Homeodomain Recruits HMG1 and HMG2 To Facilitate Recombination Signal Sequence Binding and To Enhance the Intrinsic DNA-Bending Activity of RAG1-RAG2. Molecular and Cellular Biology, 1999, 19, 6532-6542. | 2.3 | 112 |
| 18 | Autotaxin Production of Lysophosphatidic Acid Mediates Allergic Asthmatic Inflammation. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 928-940. | 5.6 | 106 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Autotaxin, a secreted lysophospholipase D, as a promising therapeutic target in chronic inflammation and cancer. Progress in Lipid Research, 2015, 58, 76-96. | 11.6 | 104 |
| 20 | Toll-like Receptor 7â€“triggered Immune Response in the Lung Mediates Acute and Long-Lasting Suppression of Experimental Asthma. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 1207-1216. | 5.6 | 98 |
| 21 | Autotaxin in Pathophysiology and Pulmonary Fibrosis. Frontiers in Medicine, 2018, 5, 180. | 2.6 | 92 |
| 22 | Mast cells mediate malignant pleural effusion formation. Journal of Clinical Investigation, 2015, 125, 2317-2334. | 8.2 | 89 |
| 23 | Intestinal myofibroblast-specific Tpl2-Cox-2-PGE <sub>2</sub> pathway links innate sensing to epithelial homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4658-67. | 7.1 | 83 |
| 24 | The pattern of inflammatory/anti-inflammatory cytokines and chemokines in type 1 diabetic patients over time. Annals of Medicine, 2010, 42, 426-438. | 3.8 | 80 |
| 25 | Autotaxin and chronic inflammatory diseases. Journal of Autoimmunity, 2019, 104, 102327. | 6.5 | 68 |
| 26 | Vitamin D prevents experimental lung fibrosis and predicts survival in patients with idiopathic pulmonary fibrosis. Pulmonary Pharmacology and Therapeutics, 2019, 55, 17-24. | 2.6 | 62 |
| 27 | Mesenchymal Stem Cells for the Treatment of Idiopathic Pulmonary Fibrosis. Frontiers in Medicine, 2018, 5, 142. | 2.6 | 60 |
| 28 | Radial Basis Function Neural Networks Classification for the Recognition of Idiopathic Pulmonary Fibrosis in Microscopic Images. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 42-54. | 3.2 | 56 |
| 29 | The Bulk of Autotaxin Activity Is Dispensable for Adult Mouse Life. PLoS ONE, 2015, 10, e0143083. | 2.5 | 55 |
| 30 | Sustaining the Data and Bioresource Commons. Science, 2010, 330, 592-593. | 12.6 | 52 |
| 31 | Cytoskeletal Rearrangements in Synovial Fibroblasts as a Novel Pathophysiological Determinant of Modeled Rheumatoid Arthritis. PLoS Genetics, 2005, 1, e48. | 3.5 | 49 |
| 32 | SH2 Domainâ€“Containing Phosphatase-2 Is a Novel Antifibrotic Regulator in Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 500-514. | 5.6 | 49 |
| 33 | The Autotaxinâ€”Lysophosphatidic Acid Axis Promotes Lung Carcinogenesis. Cancer Research, 2018, 78, 3634-3644. | 0.9 | 47 |
| 34 | Gelsolin expression is necessary for the development of modelled pulmonary inflammation and fibrosis. Thorax, 2009, 64, 467-475. | 5.6 | 46 |
| 35 | Club cells form lung adenocarcinomas and maintain the alveoli of adult mice. ELife, 2019, 8, . | 6.0 | 46 |
| 36 | DETECTION OF ANTI-Ro(SSA) ANTIBODIES IN AUTOIMMUNE DISEASES: COMPARISON OF FIVE METHODS. Rheumatology, 1993, 32, 449-455. | 1.9 | 44 |

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|---|---|---|---|
| 37 | Integration of mouse phenome data resources. Mammalian Genome, 2007, 18, 157-163. | 2.2 | 44 |
| 38 | Definition of Minimal Domains of Interaction Within the Recombination-Activating Genes 1 and 2 Recombinase Complex. Journal of Immunology, 2000, 164, 5826-5832. | 0.8 | 43 |
| 39 | Extracellular matrix remodeling in idiopathic pulmonary fibrosis. It is the â€˜bedâ€™ that counts and not â€˜the sleepersâ€™. Expert Review of Respiratory Medicine, 2017, 11, 299-309. | 2.5 | 42 |
| 40 | Functional analysis of an arthritogenic synovial fibroblast. Arthritis Research, 2003, 5, R140. | 2.0 | 41 |
| 41 | Autotaxin-LPA signaling contributes to obesity-induced insulin resistance in muscle and impairs mitochondrial metabolism. Journal of Lipid Research, 2018, 59, 1805-1817. | 4.2 | 41 |
| 42 | Deregulated Lysophosphatidic Acid Metabolism and Signaling in Liver Cancer. Cancers, 2019, 11, 1626. | 3.7 | 41 |
| 43 | Pharmacologic targeting of the ATX/LPA axis attenuates bleomycin-induced pulmonary fibrosis. Pulmonary Pharmacology and Therapeutics, 2018, 52, 32-40. | 2.6 | 40 |
| 44 | Actin cytoskeleton dynamics linked to synovial fibroblast activation as a novel pathogenic principle in TNF-driven arthritis. Annals of the Rheumatic Diseases, 2007, 66, iii23-iii28. | 0.9 | 39 |
| 45 | The Effect of Me2+ Cofactors at the Initial Stages of V(D)J Recombination. Journal of Biological Chemistry, 1998, 273, 16325-16331. | 3.4 | 38 |
| 46 | Development and therapeutic potential of autotaxin small molecule inhibitors: From bench to advanced clinical trials. Medicinal Research Reviews, 2019, 39, 976-1013. | 10.5 | 37 |
| 47 | Autotaxin and Endotoxin-Induced Acute Lung Injury. PLoS ONE, 2015, 10, e0133619. | 2.5 | 37 |
| 48 | Effect of phospholipase A2 inhibitory peptide on inflammatory arthritis in a TNF transgenic mouse model: a time-course ultrastructural study. Arthritis Research, 2004, 6, R282. | 2.0 | 35 |
| 49 | Induced expression and functional effects of aquaporin-1 in human leukocytes in sepsis. Critical Care, 2013, 17, R199. | 5.8 | 35 |
| 50 | Bleomycin Revisited: A Direct Comparison of the Intratracheal Micro-Spraying and the Oropharyngeal Aspiration Routes of Bleomycin Administration in Mice. Frontiers in Medicine, 2018, 5, 269. | 2.6 | 35 |
| 51 | Kresoxim-methyl primesMedicago truncatulaplants against abiotic stress factors via altered reactive oxygen and nitrogen species signalling leading to downstream transcriptional and metabolic readjustment. Journal of Experimental Botany, 2016, 67, 1259-1274. | 4.8 | 33 |
| 52 | A Metabolically-Stabilized Phosphonate Analog of Lysophosphatidic Acid Attenuates Collagen-Induced Arthritis. PLoS ONE, 2013, 8, e70941. | 2.5 | 32 |
| 53 | Alteration of L-Dopa decarboxylase expression in SARS-CoV-2 infection and its association with the interferon-inducible ACE2 isoform. PLoS ONE, 2021, 16, e0253458. | 2.5 | 30 |
| 54 | Models for financial sustainability of biological databases and resources. Database: the Journal of Biological Databases and Curation, 2009, 2009, bap017-bap017. | 3.0 | 27 |

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|---|---|---|---|
| 55 | A Critical Role for Gelsolin in Ventilator-Induced Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2009, 41, 426-432. | 2.9 | 27 |
| 56 | Hydroxamic Acids Constitute a Novel Class of Autotaxin Inhibitors that Exhibit in Vivo Efficacy in a Pulmonary Fibrosis Model. Journal of Medicinal Chemistry, 2018, 61, 3697-3711. | 6.4 | 27 |
| 57 | Airway epithelial cell necroptosis contributes to asthma exacerbation in a mouse model of house dust mite-induced allergic inflammation. Mucosal Immunology, 2021, 14, 1160-1171. | 6.0 | 25 |
| 58 | Orotracheal treprostinil administration attenuates bleomycinâ€induced lung injury, vascular remodeling, and fibrosis in mice. Pulmonary Circulation, 2019, 9, 1-14. | 1.7 | 23 |
| 59 | Commonalities Between ARDS, Pulmonary Fibrosis and COVID-19: The Potential of Autotaxin as a Therapeutic Target. Frontiers in Immunology, 2021, 12, 687397. | 4.8 | 22 |
| 60 | Non-cell autonomous and non-catalytic activities of ATX in the developing brain. Frontiers in Neuroscience, 2015, 9, 53. | 2.8 | 21 |
| 61 | Diagnostic and prognostic challenges in Idiopathic Pulmonary Fibrosis: A patient's â€œQ and Aâ€• approach. Pulmonary Pharmacology and Therapeutics, 2017, 42, 21-24. | 2.6 | 18 |
| 62 | MAP3K8 Regulates Cox-2â€“Mediated Prostaglandin E2 Production in the Lung and Suppresses Pulmonary Inflammation and Fibrosis. Journal of Immunology, 2021, 206, 607-620. | 0.8 | 17 |
| 63 | Collagen 1a1 Expression by Airway Macrophages Increases In Fibrotic ILDs and Is Associated With FVC Decline and Increased Mortality. Frontiers in Immunology, 2021, 12, 645548. | 4.8 | 17 |
| 64 | Autotaxin and lysophosphatidic acid signalling in lung pathophysiology. World Journal of Respirology, 2013, 3, 77. | 0.5 | 16 |
| 65 | Anti-5S RNA/protein (RNP) antibody levels correlate with disease activity in a patient with systemic lupus erythematosus (SLE) nephritis. Clinical and Experimental Immunology, 2008, 95, 385-389. | 2.6 | 15 |
| 66 | Down-regulation of the inhibitor of growth family member 4 (ING4) in different forms of pulmonary fibrosis. Respiratory Research, 2009, 10, 14. | 3.6 | 15 |
| 67 | Role of dual-specificity protein phosphatase DUSP10/MKP-5 in pulmonary fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L678-L689. | 2.9 | 15 |
| 68 | Systems biology reveals key tissue-specific metabolic and transcriptional signatures involved in the response of Medicago truncatula plant genotypes to salt stress. Computational and Structural Biotechnology Journal, 2021, 19, 2133-2147. | 4.1 | 15 |
| 69 | Increased Autotaxin Levels in Severe COVID-19, Correlating with IL-6 Levels, Endothelial Dysfunction Biomarkers, and Impaired Functions of Dendritic Cells. International Journal of Molecular Sciences, 2021, 22, 10006. | 4.1 | 15 |
| 70 | Genetic deletion of Autotaxin from CD11b+ cells decreases the severity of experimental autoimmune encephalomyelitis. PLoS ONE, 2020, 15, e0226050. | 2.5 | 14 |
| 71 | MUGEN mouse database; Animal models of human immunological diseases. Nucleic Acids Research, 2007, 36, D1048-D1054. | 14.5 | 13 |
| 72 | CreZOO--the European virtual repository of Cre and other targeted conditional driver strains. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas029-bas029. | 3.0 | 13 |

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|---|---|---|---|
| 73 | Finding and sharing: new approaches to registries of databases and services for the biomedical sciences. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq014-baq014. | 3.0 | 12 |
| 74 | Synthesis of novel 2-pyrrolidinone and pyrrolidine derivatives and study of their inhibitory activity against autotaxin enzyme. Bioorganic and Medicinal Chemistry, 2020, 28, 115216. | 3.0 | 12 |
| 75 | Atx regulates skeletal muscle regeneration via LPAR1 and promotes hypertrophy. Cell Reports, 2021, 34, 108809. | 6.4 | 12 |
| 76 | Endothelial ENPP2 (Ectonucleotide Pyrophosphatase/Phosphodiesterase 2) Increases Atherosclerosis in Female and Male Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 1023-1036. | 2.4 | 12 |
| 77 | Two immunologically related polypeptides of 72/74 kDa specify a novel 70â€“11 OS heterogeneous nuclear RNP. Nucleic Acids Research, 1995, 23, 2742-2753. | 14.5 | 11 |
| 78 | Fibromine is a multi-omics database and mining tool for target discovery in pulmonary fibrosis. Scientific Reports, 2021, 11, 21712. | 3.3 | 11 |
| 79 | Detection of human-specific anti-La(SSB) antibodies in patients with rheumatoid arthritis. Journal of Autoimmunity, 1995, 8, 959-969. | 6.5 | 10 |
| 80 | Operational criteria for selecting a cDNA microarray data normalization algorithm. Oncology Reports, 2006, 15, 983-996. | 2.6 | 9 |
| 81 | ENPP2 Methylation in Health and Cancer. International Journal of Molecular Sciences, 2021, 22, 11958. | 4.1 | 9 |
| 82 | ENPP2 Promoter Methylation Correlates with Decreased Gene Expression in Breast Cancer: Implementation as a Liquid Biopsy Biomarker. International Journal of Molecular Sciences, 2022, 23, 3717. | 4.1 | 9 |
| 83 | Epithelial Myeloid-Differentiation Factor 88 Is Dispensable duringKlebsiellaPneumonia. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 648-656. | 2.9 | 8 |
| 84 | Structure-Based Discovery of Novel Chemical Classes of Autotaxin Inhibitors. International Journal of Molecular Sciences, 2020, 21, 7002. | 4.1 | 8 |
| 85 | CASIMIR: Coordination and Sustainability of International Mouse Informatics Resources. , 2008, , . | | 7 |
| 86 | Precision medicine in idiopathic pulmonary fibrosis therapy: From translational research to patient-centered care. Current Opinion in Pharmacology, 2021, 57, 71-80. | 3.5 | 7 |
| 87 | Autotaxin Has a Negative Role in Systemic Inflammation. International Journal of Molecular Sciences, 2022, 23, 7920. | 4.1 | 5 |
| 88 | A role for bronchial epithelial autotaxin in ventilator-induced lung injury. Intensive Care Medicine Experimental, 2021, 9, 12. | 1.9 | 4 |
| 89 | Mouse Resource Browser--a database of mouse databases. Database: the Journal of Biological Databases and Curation, 2010, 2010, baq010-baq010. | 3.0 | 3 |
| 90 | Computer Aided Drug Design Approaches for Identification of Novel Autotaxin (ATX) Inhibitors. Current Medicinal Chemistry, 2016, 23, 1708-1724. | 2.4 | 3 |

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|---|---|---|---|
| 91 | Obesity Reshapes the Microbial Population Structure along the Gut-Liver-Lung Axis in Mice. Biomedicines, 2022, 10, 494. | 3.2 | 3 |
| 92 | Decreased Lung Tumorigenesis In Mice With Conditionally Inactivated Enpp2 Gene In CC10+ (Clara) Cells. , 2010, , . | | 2 |
| 93 | Lysophosphatidic Acid Is a Proinflammatory Stimulus of Renal Tubular Epithelial Cells. International Journal of Molecular Sciences, 2022, 23, 7452. | 4.1 | 2 |
| 94 | The Mouse Resource Browser (MRB) - A near-complete registry of mouse resources. , 2008, , . | | 1 |
| 95 | Digital preservation - financial sustainability of biological data and material resources. , 2008, , . | | 1 |
| 96 | Towards dynamic database infrastructures for mouse genetics. , 2008, , . | | 1 |
| 97 | Biomarkers in Idiopathic Pulmonary Fibrosis: A RAGE-ing Bull in the Arena. Annals of the American Thoracic Society, 2017, 14, 613-614. | 3.2 | 1 |
| 98 | An airway epithelial origin for tobacco carcinogen-induced lung adenocarcinoma. , 2015, , . | | 1 |
| 99 | MKP-5 inhibition blunts fibrotic responses in-vitro and in-vivo through negative regulation of TGFB1-induced smad3-signalling. , 2018, , . | | 1 |
| 100 | Prospective phase 1 open clinical trial to study the safety of adipose derived mesenchymal stem cells (ADMSCs) in COPD and combined pulmonary fibrosis and emphysema (CPFE). , 2015, , . | | 1 |
| 101 | The effects of tpl2 inhibition in Ventilator-induced lung injury. , 2017, , . | | 1 |
| 102 | IL17 Concentration In Serum And Breath Condensates Of Asthmatic Children In Greece. , 2010, , . | | 0 |
| 103 | Detection Of Aquaporin-1 In Neutrophils And Its Role In The Innate Immune Response Of Sepsis. , 2012, , . | | 0 |