

Tahir S Pillay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7172972/publications.pdf>

Version: 2024-02-01

84
papers

1,736
citations

270111

25
h-index

340414

39
g-index

84
all docs

84
docs citations

84
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	Cholecalciferol induces apoptosis via autocrine metabolism in epidermoid cervical cancer cells. <i>Biochemistry and Cell Biology</i> , 2022, 100, 387-402.	0.9	3
2	Historical perspectives in clinical pathology: Bence Jones protein—early urine chemistry and the impact on modern day diagnostics. <i>Journal of Clinical Pathology</i> , 2021, 74, 212-215.	1.0	5
3	Molecules in pathogenesis: angiotensin converting enzyme 2 (ACE2). <i>Journal of Clinical Pathology</i> , 2021, 74, 285-290.	1.0	27
4	Postmortem Hyperglycemic Dilemma. <i>Journal of applied laboratory medicine</i> , The, 2021, 6, 1360-1365.	0.6	0
5	Novel Mutation in the IDS Gene in Hunter Syndrome Associated with Severe Cardiac Lesions. <i>Clinical Chemistry</i> , 2021, 67, 564-566.	1.5	0
6	Artificial intelligence in pathology and laboratory medicine. <i>Journal of Clinical Pathology</i> , 2021, 74, 407-408.	1.0	5
7	Comparability of 11 different equations for estimating LDL cholesterol on different analysers. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1930-1943.	1.4	19
8	Application of Single-Domain Antibodies (—Nanobodies—) to Laboratory Diagnosis. <i>Annals of Laboratory Medicine</i> , 2021, 41, 549-558.	1.2	29
9	Identification of promising anti-DNA gyrase antibacterial compounds using <i>de novo</i> design, molecular docking and molecular dynamics studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1-12.	2.0	28
10	Hyperthyroidism in molar pregnancy: β -HCG levels do not always reflect severity. <i>Clinica Chimica Acta</i> , 2020, 511, 24-27.	0.5	3
11	A Rare Cause of Virilization, Short Stature, and Hypertension. <i>Clinical Chemistry</i> , 2020, 66, 1489-1493.	1.5	1
12	Gene of the month: the 2019-nCoV/SARS-CoV-2 novel coronavirus spike protein. <i>Journal of Clinical Pathology</i> , 2020, 73, 366-369.	1.0	120
13	Critical evaluation of equations for serum osmolality: Proposals for effective clinical utility. <i>Clinica Chimica Acta</i> , 2020, 510, 79-87.	0.5	4
14	Five years of screening for galactosaemia in South Africa: Pitfalls of using Benedict's test and thin layer chromatography to screen for galactosaemia in a developing country. <i>Clinica Chimica Acta</i> , 2020, 505, 73-77.	0.5	0
15	Big data analysis reveals the existence of seasonal pseudohyperkalaemia even in temperate climates. <i>Clinica Chimica Acta</i> , 2019, 497, 110-113.	0.5	3
16	Mevalonate kinase deficiency masked by cytomegalovirus infection and obscure liver disease. <i>Clinica Chimica Acta</i> , 2019, 498, 122-125.	0.5	0
17	Pharmacoinformatics-based identification of chemically active molecules against Ebola virus. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4104-4119.	2.0	5
18	β -secretase inhibitors for Alzheimer's disease: identification using pharmacoinformatics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 503-522.	2.0	14

#	ARTICLE	IF	CITATIONS
19	Discordant Calcium and Parathyroid Hormone with Presumed Epileptic Seizures. <i>Clinical Chemistry</i> , 2018, 64, 442-445.	1.5	1
20	Demand management by electronic gatekeeping of test requests does not influence requesting behaviour or save costs dramatically. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 244-253.	0.8	9
21	Introducing the Journal of Clinical Pathology Grand Rounds: a new multidisciplinary clinical pathology forum. <i>Journal of Clinical Pathology</i> , 2018, 71, 859-859.	1.0	0
22	Diabetes mellitus caused by mutations in human insulin: analysis of impaired receptor binding of insulins <i>Wakayama</i>, <i>Los Angeles</i> and <i>Chicago</i> using pharmacoinformatics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 724-737.	2.0	13
23	Identification of promising <sc>DNA</sc> GyrB inhibitors for Tuberculosis using pharmacophore-based virtual screening, molecular docking and molecular dynamics studies. <i>Chemical Biology and Drug Design</i> , 2017, 90, 282-296.	1.5	11
24	The new MedTech Europe directive: implications for educational activities in pathology and laboratory medicine. <i>Journal of Clinical Pathology</i> , 2017, 70, 185-186.	1.0	1
25	70...years of the Journal of Clinical Pathology: Quo vadis?. <i>Journal of Clinical Pathology</i> , 2017, 70, 93-93.	1.0	1
26	The <i>Journal of Clinical Pathology</i> at 70: Who's citing who? Where has the journal been cited?. <i>Journal of Clinical Pathology</i> , 2017, 70, 817-818.	1.0	1
27	Case Report: A Toddler With Anasarca Caused by Congenital Nephrotic Syndrome. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2017, 28, 156-163.	0.7	0
28	Contribution of ENPP1, TCF7L2, and FTO polymorphisms to type 2 diabetes in mixed ancestry ethnic population of South Africa. <i>African Health Sciences</i> , 2016, 15, 1149.	0.3	20
29	Red-Brown Urine in a Patient with Chronic HIV Infection and Quadripareisis. <i>Clinical Chemistry</i> , 2016, 62, 1181-1184.	1.5	1
30	Donald Rumsfeld and point-of-care testing (POCT): the problem of unknown unknowns" venous blood and glucose oxidase-based test strips. <i>Journal of Clinical Pathology</i> , 2016, 69, 839-840.	1.0	2
31	Simplified molecular input line entry system-based descriptors in QSAR modeling for HIV-protease inhibitors. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 153, 67-74.	1.8	32
32	Salivary Cortisol and Cortisone do not Appear to be Useful Biomarkers for Monitoring Hydrocortisone Replacement in Addison's Disease. <i>Hormone and Metabolic Research</i> , 2016, 48, 814-821.	0.7	10
33	Structural requirements for potential HIV-integrase inhibitors identified using pharmacophore-based virtual screening and molecular dynamics studies. <i>Molecular BioSystems</i> , 2016, 12, 982-993.	2.9	15
34	Identification of structural requirements of estrogen receptor modulators using pharmacoinformatics techniques for application to estrogen therapy. <i>Medicinal Chemistry Research</i> , 2016, 25, 407-421.	1.1	3
35	Historical perspectives in clinical pathology: a history of glucose measurement. <i>Journal of Clinical Pathology</i> , 2015, 68, 258-264.	1.0	34
36	Comparison of equations for the calculation of LDL-cholesterol in hospitalized patients. <i>Clinica Chimica Acta</i> , 2015, 444, 137-142.	0.5	37

#	ARTICLE	IF	CITATIONS
37	Exploration of the structural requirements of HIV-protease inhibitors using pharmacophore, virtual screening and molecular docking approaches for lead identification. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 56, 20-30.	1.3	8
38	Evaluation of the Utility of Serum Prolidase as a Marker for Liver Fibrosis. <i>Journal of Clinical Laboratory Analysis</i> , 2015, 29, 208-213.	0.9	6
39	High Molecular Weight (HMW): total adiponectin ratio is low in hiv-infected women receiving protease inhibitors. <i>BMC Clinical Pathology</i> , 2014, 14, 46.	1.8	8
40	Why are we still measuring red cell folate instead of just serum folate?. <i>Journal of Clinical Pathology</i> , 2014, 67, 289-289.	1.0	6
41	How to Write a Scientific Paper: Practical Guidelines. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2014, 25, 259-68.	0.7	3
42	Serum Proteome Changes following Human Immunodeficiency Virus Infection. <i>Clinical Laboratory</i> , 2013, 59, 639-46.	0.2	3
43	Salivary Cortisol Day Curves in Addison's Disease in Patients on Hydrocortisone Replacement. <i>Hormone and Metabolic Research</i> , 2013, 45, 62-68.	0.7	11
44	Indinavir and nelfinavir inhibit proximal insulin receptor signaling and salicylate abrogates inhibition: Potential role of the NFkappa B pathway. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1729-1737.	1.2	14
45	Investigation of glucocorticoid receptor polymorphisms in relation to metabolic parameters in Addison's disease. <i>European Journal of Endocrinology</i> , 2013, 168, 403-412.	1.9	16
46	Continuing danger of glucose point-of-care test devices in the neonatal setting. <i>South African Medical Journal</i> , 2013, 103, 356.	0.2	2
47	Subject and discipline-specific publication trends in South African medical research, 1996-2011. <i>South African Journal of Science</i> , 2013, 109, 4.	0.3	3
48	A labour of love: 'No schools for medical editors'. <i>South African Medical Journal</i> , 2013, 103, 213.	0.2	0
49	Containing costs in the era of National Health Insurance - the need for and importance of demand management in laboratory medicine. <i>South African Medical Journal</i> , 2012, 103, 24.	0.2	8
50	Historical perspectives in diagnostic clinical pathology: development of the pregnancy test. <i>Journal of Clinical Pathology</i> , 2011, 64, 546-548.	1.0	17
51	Pseudohyponatremia Revisited: A Modern-Day Pitfall. <i>Archives of Pathology and Laboratory Medicine</i> , 2011, 135, 516-519.	1.2	64
52	Discovery proteomics: application to HIV infection. <i>Journal of Clinical Pathology</i> , 2010, 63, 285-287.	1.0	2
53	Plasma free fatty acid reference interval in South African neonates in the first week of life. <i>Annals of Clinical Biochemistry</i> , 2010, 47, 381-382.	0.8	3
54	Mathematical Modeling of Glucose Homeostasis and Its Relationship With Energy Balance and Body Fat. <i>Obesity</i> , 2009, 17, 632-639.	1.5	17

#	ARTICLE	IF	CITATIONS
55	Insulin resistance induced by antiretroviral drugs: Current understanding of molecular mechanisms. <i>Journal of Endocrinology Metabolism and Diabetes of South Africa</i> , 2009, 14, 129-132.	0.4	5
56	Differential detection of phosphorylated glycogen synthase kinase 3 $\hat{1}$ and $\hat{2}$ depending on blocking conditions. <i>Analytical Biochemistry</i> , 2008, 379, 136-137.	1.1	1
57	Reference change values: how useful are they?. <i>Journal of Clinical Pathology</i> , 2008, 61, 426-427.	1.0	24
58	Variability in 3T3-L1 adipocyte differentiation depending on cell culture dish. <i>Analytical Biochemistry</i> , 2007, 362, 281-283.	1.1	26
59	Cross-talk between the Two Divergent Insulin Signaling Pathways Is Revealed by the Protein Kinase B (Akt)-mediated Phosphorylation of Adapter Protein APS on Serine 588. <i>Journal of Biological Chemistry</i> , 2005, 280, 37827-37832.	1.6	13
60	Insulin Regulates Protein Kinase C $\hat{2}$ Alternative Splicing in Multiple Target Tissues: Development of a Hormonally Responsive Heterologous Minigene. <i>Molecular Endocrinology</i> , 2004, 18, 899-911.	3.7	33
61	Asb6, an Adipocyte-specific Ankyrin and SOCS Box Protein, Interacts with APS to Enable Recruitment of Elongins B and C to the Insulin Receptor Signaling Complex. <i>Journal of Biological Chemistry</i> , 2004, 279, 38881-38888.	1.6	52
62	Primary and Essential Role of the Adaptor Protein APS for Recruitment of Both c-Cbl and Its Associated Protein CAP in Insulin Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 21526-21532.	1.6	60
63	Regulation of the insulin receptor by protein kinase C isoenzymes: preferential interaction with $\hat{2}$ isoenzymes and interaction with the catalytic domain of $\hat{2}$. <i>Cellular Signalling</i> , 2004, 16, 97-104.	1.7	20
64	Phosphotyrosine phosphoepitopes can be rapidly analyzed by coexpression of a tyrosine kinase in bacteria with a T7 bacteriophage display library. <i>Analytical Biochemistry</i> , 2004, 325, 164-167.	1.1	4
65	Adapter protein with a pleckstrin homology (PH) and an Src homology 2 (SH2) domain (APS) and SH2-B enhance insulin-receptor autophosphorylation, extracellular-signal-regulated kinase and phosphoinositide 3-kinase-dependent signalling. <i>Biochemical Journal</i> , 2003, 371, 405-412.	1.7	58
66	Functional effects of APS and SH2-B on insulin receptor signalling. <i>Biochemical Society Transactions</i> , 2001, 29, 529-534.	1.6	37
67	The APS adapter protein couples the insulin receptor to the phosphorylation of c-Cbl and facilitates ligand-stimulated ubiquitination of the insulin receptor. <i>FEBS Letters</i> , 2000, 475, 31-34.	1.3	88
68	APS, an adapter protein with a PH and SH2 domain, is a substrate for the insulin receptor kinase. <i>Biochemical Journal</i> , 1999, 341, 665.	1.7	19
69	APS, an adapter protein with a PH and SH2 domain, is a substrate for the insulin receptor kinase. <i>Biochemical Journal</i> , 1999, 341, 665-668.	1.7	55
70	Prolonged vs transient roles for early cell cycle signaling components. <i>Oncogene</i> , 1998, 17, 889-899.	2.6	11
71	High Glucose-Induced Abnormal Epidermal Growth Factor Signaling. <i>Journal of Biochemistry</i> , 1998, 123, 813-820.	0.9	20
72	SH2-B $\hat{1}$ is an insulin-receptor adapter protein and substrate that interacts with the activation loop of the insulin-receptor kinase. <i>Biochemical Journal</i> , 1998, 335, 103-109.	1.7	86

#	ARTICLE	IF	CITATIONS
73	Interaction of a GRB-IR Splice Variant (a Human GRB10 Homolog) with the Insulin and Insulin-like Growth Factor I Receptors. <i>Journal of Biological Chemistry</i> , 1996, 271, 22506-22513.	1.6	127
74	Glucose-induced phosphorylation of the insulin receptor. Functional effects and characterization of phosphorylation sites.. <i>Journal of Clinical Investigation</i> , 1996, 97, 613-620.	3.9	65
75	Binding of Shc to the NPXY Motif Is Mediated by Its N-terminal Domain. <i>Journal of Biological Chemistry</i> , 1995, 270, 22097-22100.	1.6	28
76	The B Isoform of the Insulin Receptor Signals More Efficiently Than the A Isoform in HepG2 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 20816-20823.	1.6	53
77	3 The Genetics of Non-insulin-Dependent Diabetes Mellitus. <i>Advances in Genetics</i> , 1995, 32, 51-98.	0.8	15
78	Insulin Stimulates the Tyrosine Dephosphorylation of pp125 Focal Adhesion Kinase. <i>Journal of Biological Chemistry</i> , 1995, 270, 991-994.	1.6	66
79	Immunological similarity between the 170 kD amoebic adherence glycoprotein and human β 2 integrins. <i>Lancet</i> , The, 1993, 341, 17-19.	6.3	38
80	Enhancement of epidermal growth factor (EGF) and insulin-stimulated tyrosine phosphorylation of endogenous substrates by sodium selenate. <i>FEBS Letters</i> , 1992, 308, 38-42.	1.3	29
81	Insulin-stimulated serine/threonine phosphorylation of the insulin receptor: paucity of threonine 1348 phosphorylation in vitro indicates the involvement of more than one serine/threonine kinase in vivo. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 962-971.	1.0	8
82	Multisite serine phosphorylation of the insulin and IGF-I receptors in transfected cells. <i>FEBS Letters</i> , 1991, 288, 206-211.	1.3	32
83	Phorbol ester-induced downregulation of protein kinase C potentiates insulin receptor tyrosine autophosphorylation: evidence for a major constitutive role in insulin receptor regulation. <i>Biochemical Society Transactions</i> , 1990, 18, 494-495.	1.6	15
84	Analysis of the sites of phosphorylation of the insulin receptor <i>in vitro</i> and <i>in vivo</i> . <i>Biochemical Society Transactions</i> , 1988, 16, 1065-1066.	1.6	0