

Sekaran Muniandy

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

1,646
citations

279798

23
h-index

377865

34
g-index

103
all docs

103
docs citations

103
times ranked

2621
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of relaxin on the musculoskeletal system. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, e220-9.	2.9	92
2	Productivity of laccase in solid substrate fermentation of selected agro-residues by. <i>Bioresource Technology</i> , 2006, 97, 171-177.	9.6	84
3	Saffron with resistance exercise improves diabetic parameters through the GLUT4/AMPK pathway in-vitro and in-vivo. <i>Scientific Reports</i> , 2016, 6, 25139.	3.3	66
4	F<sub>2</sub>-Isoprostanes as Novel Biomarkers for Type 2 Diabetes: a Review. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2009, 45, 1-8.	1.4	60
5	Novel adiponectin-resistin (AR) and insulin resistance (IRAR) indexes are useful integrated diagnostic biomarkers for insulin resistance, type 2 diabetes and metabolic syndrome: a case control study. <i>Cardiovascular Diabetology</i> , 2011, 10, 8.	6.8	50
6	Purslane (<i>Portulaca oleracea</i>) Seed Consumption And Aerobic Training Improves Biomarkers Associated with Atherosclerosis in Women with Type 2 Diabetes (T2D). <i>Scientific Reports</i> , 2016, 6, 37819.	3.3	43
7	Association of plasminogen activator inhibitor-1 and tissue plasminogen activator with type 2 diabetes and metabolic syndrome in Malaysian subjects. <i>Cardiovascular Diabetology</i> , 2011, 10, 23.	6.8	40
8	Sex-Steroid Regulation of Relaxin Receptor Isoforms (RXFP1 & RXFP2) Expression in the Patella Tendon and Lateral Collateral Ligament of Female WKY Rats. <i>International Journal of Medical Sciences</i> , 2014, 11, 180-191.	2.5	40
9	Enzymes from spent mushroom substrate of <i>Pleurotus sajor-caju</i> for the decolourisation and detoxification of textile dyes. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 535-545.	3.6	39
10	Adiponectin and Resistin Gene Polymorphisms in Association with Their Respective Adipokine Levels. <i>Annals of Human Genetics</i> , 2011, 75, 370-382.	0.8	38
11	Enhanced Production, Purification, Characterization and Mechanism of Action of Salivaricin 9 Lantibiotic Produced by <i>Streptococcus salivarius</i> NU10. <i>PLoS ONE</i> , 2013, 8, e77751.	2.5	38
12	Aqueous Extract of <i>Phyllanthus niruri</i> Leaves Displays <i>In Vitro</i> Antioxidant Activity and Prevents the Elevation of Oxidative Stress in the Kidney of Streptozotocin-Induced Diabetic Male Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-10.	1.2	37
13	<i>Chlorophytum borivilianum</i> (Safed Musli) root extract prevents impairment in characteristics and elevation of oxidative stress in sperm of streptozotocin-induced adult male diabetic Wistar rats. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 291.	3.7	35
14	Recovery and partial purification of fibrinolytic enzymes of <i>Auricularia polytricha</i> (Mont.) Sacc by an aqueous two-phase system. <i>Separation and Purification Technology</i> , 2014, 122, 359-366.	7.9	30
15	<i>Vitis vinifera</i> (Muscat Variety) Seed Ethanolic Extract Preserves Activity Levels of Enzymes and Histology of the Liver in Adult Male Rats with Diabetes. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-8.	1.2	30
16	Recovery of laccase from processed <i>Herichium erinaceus</i> (Bull.:Fr) Pers. fruiting bodies in aqueous two-phase system. <i>Journal of Bioscience and Bioengineering</i> , 2016, 122, 301-306.	2.2	30
17	Synergy of antibacterial and antioxidant activities from crude extracts and peptides of selected plant mixture. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 360.	3.7	29
18	Null association between ACE gene I/D polymorphism and diabetic nephropathy among multiethnic Malaysian subjects. <i>Indian Journal of Human Genetics</i> , 2010, 16, 78.	0.7	28

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19	<i>In-Vivo</i> Functional Study on the Involvement of CFTR, SLC26A6, NHE-1 and CA Isoenzymes II and XII in Uterine Fluid pH, Volume and Electrolyte Regulation in Rats under Different Sex-Steroid Influence. <i>International Journal of Medical Sciences</i> , 2013, 10, 1121-1134.	2.5	27
20	Role of N ^ε -(Carboxymethyl)Lysine in the Development of Ischemic Heart Disease in Type 2 Diabetes Mellitus. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2007, 41, 97-105.	1.4	26
21	<i>Centella asiatica</i> Attenuates Diabetes Induced Hippocampal Changes in Experimental Diabetic Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-10.	1.2	26
22	Altered circulating concentrations of active glucagon-like peptide (GLP-1) and dipeptidyl peptidase 4 (DPP4) in obese subjects and their association with insulin resistance. <i>Clinical Biochemistry</i> , 2017, 50, 746-749.	1.9	26
23	<i>Chlorophytum borivilianum</i> Root Extract Maintains near Normal Blood Glucose, Insulin and Lipid Profile Levels and Prevents Oxidative Stress in the Pancreas of Streptozotocin-Induced Adult Male Diabetic Rats. <i>International Journal of Medical Sciences</i> , 2014, 11, 1172-1184.	2.5	25
24	A novel Γ^2 -diiminato manganese ^{III} complex as the promising anticancer agent induces G ₀ /G ₁ cell cycle arrest and triggers apoptosis via mitochondrial-dependent pathways in MCF-7 and MDA-MB-231 human breast cancer cells. <i>RSC Advances</i> , 2017, 7, 24387-24398.	3.6	24
25	The oxidative stress of hyperglycemia and the inflammatory process in endothelial cells. <i>Journal of Medical Investigation</i> , 2009, 56, 6-10.	0.5	21
26	Association of DPP4 Gene Polymorphisms with Type 2 Diabetes Mellitus in Malaysian Subjects. <i>PLoS ONE</i> , 2016, 11, e0154369.	2.5	21
27	Pregnancy-Induced Hypertension and Preeclampsia: Levels of Angiogenic Factors in Malaysian Women. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2010, 47, 191-197.	1.4	20
28	Serum Levels of Soluble CD26/Dipeptidyl Peptidase-IV in Type 2 Diabetes Mellitus and Its Association with Metabolic Syndrome and Therapy with Antidiabetic Agents in Malaysian Subjects. <i>PLoS ONE</i> , 2015, 10, e0140618.	2.5	19
29	Quercetin interferes with the fluid volume and receptivity development of the uterus in rats during the peri-implantation period. <i>Reproductive Toxicology</i> , 2017, 71, 42-54.	2.9	19
30	Glutathione S-transferase from the diamond back moth (<i>Plutella xylostella</i> linnaeus). <i>Insect Biochemistry</i> , 1989, 19, 435-443.	1.8	18
31	N ^ε -(Carboxymethyl)lysine and Coronary Atherosclerosis-Associated Low Density Lipoprotein Abnormalities in Type 2 Diabetes: Current Status. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2009, 44, 14-27.	1.4	18
32	Progesterone Downregulates Oestrogen-Induced Expression of CFTR and SLC26A6 Proteins and mRNA in Rats' Uteri. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-7.	3.0	18
33	Thrombophilia investigation in Malaysian women with recurrent pregnancy loss. <i>Journal of Obstetrics and Gynaecology Research</i> , 2009, 35, 1061-1068.	1.3	17
34	KCNQ1 Haplotypes Associate with Type 2 Diabetes in Malaysian Chinese Subjects. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5705-5718.	4.1	17
35	Testosterone Reduces Knee Passive Range of Motion and Expression of Relaxin Receptor Isoforms via 5 α -Dihydrotestosterone and Androgen Receptor Binding. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4619-4634.	4.1	17
36	Genistein Induces Increase in Fluid pH, Na ⁺ and HCO ₃ ⁻ Concentration, SLC26A6 and SLC4A4 (NBCe1)-B Expression in the Uteri of Ovariectomized Rats. <i>International Journal of Molecular Sciences</i> , 2014, 15, 958-976.	4.1	17

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37	Genistein-induced fluid accumulation in ovariectomised rats' uteri is associated with increased cystic fibrosis transmembrane regulator expression. <i>Clinics</i> , 2014, 69, 111-119.	1.5	17
38	The Clinical Effects of <i>Synsepalum dulcificum</i> : A Review. <i>Journal of Medicinal Food</i> , 2014, 17, 1165-1169.	1.5	16
39	Estrogen and progesterone differentially regulate the levels of cystic fibrosis transmembrane regulator (CFTR), adenylate cyclase (AC), and cyclic adenosine mono-phosphate (cAMP) in the rat cervix. <i>Molecular Reproduction and Development</i> , 2015, 82, 463-474.	2.0	16
40	Effects of thyroxine on expression of proteins related to thyroid hormone functions (TR- β , TR- α , RXR) in the thyroid gland of rats. <i>Journal of Endocrinology</i> , 2015, 186, 1016-1021.	5.6	16
41	Antimicrobial Peptides in Aqueous and Ethanolic Extracts from Microbial, Plant and Fermented Sources. <i>Biotechnology</i> , 2009, 8, 248-253.	0.1	16
42	Rapid detection of ESBL-producing <i>Klebsiella pneumoniae</i> in blood cultures by fluorescent in-situ hybridization. <i>Journal of Microbiological Methods</i> , 2008, 72, 107-109.	1.6	15
43	Estrogen, progesterone, and genistein differentially regulate levels of expression of β -casein, α -casein, and β -lactoglobulin in the uteri of sex steroid-deficient rats. <i>Theriogenology</i> , 2015, 84, 911-926.	2.1	15
44	Modulation of sodium bicarbonate co-transporter (SLC4A4/NBCE1) protein and mRNA expression in rat's uteri by sex-steroids and at different phases of the oestrous cycle. <i>Research in Veterinary Science</i> , 2014, 96, 164-170.	1.9	14
45	Contributions of <i>IKZF1</i> , <i>DDC</i> , <i>CDKN2A</i> , <i>CEBPE</i> , and <i>LMO1</i> Gene Polymorphisms to Acute Lymphoblastic Leukemia in a Yemeni Population. <i>Genetic Testing and Molecular Biomarkers</i> , 2017, 21, 592-599.	0.7	14
46	Differential expression of the receptors for thyroid hormone, thyroid stimulating hormone, vitamin D and retinoic acid and extracellular signal-regulated kinase in uterus of rats under influence of sex-steroids. <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 132-141.	5.6	14
47	Testosterone decreases fluid and chloride secretions in the uterus of adult female rats via down-regulating cystic fibrosis transmembrane regulator (CFTR) expression and functional activity. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 361-372.	2.5	13
48	Association of ARID5B gene variants with acute lymphoblastic leukemia in Yemeni children. <i>Tumor Biology</i> , 2017, 39, 101042831769757.	1.8	13
49	Quercetin induces morphological and proliferative changes of rat's uteri under estrogen and progesterone influences. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 5484-94.	0.5	13
50	Testosterone regulates levels of cystic fibrosis transmembrane regulator, adenylate cyclase, and cAMP in the seminal vesicles of orchidectomized rats. <i>Theriogenology</i> , 2016, 85, 238-246.	2.1	12
51	Effect of Plasminogen Activator Inhibitor-1 and Tissue Plasminogen Activator Polymorphisms on Susceptibility to Type 2 Diabetes in Malaysian Subjects. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-6.	3.0	11
52	Thrombophilic mutations in pre-eclampsia and pregnancy-induced hypertension. <i>Journal of Obstetrics and Gynaecology Research</i> , 2008, 34, 174-178.	1.3	10
53	Estradiol, progesterone and genistein differentially regulate levels of aquaporin (AQP)-1, 2, 5 and 7 expression in the uteri of ovariectomized, sex-steroid deficient rats. <i>Steroids</i> , 2016, 115, 47-55.	1.8	10
54	Combinatorial effects of quercetin and sex-steroids on fluid and electrolytes (Na ⁺ , Cl ⁻ , HCO ₃ ⁻) secretory mechanisms in the uterus of ovariectomised female Sprague-Dawley rats. <i>PLoS ONE</i> , 2017, 12, e0172765.	2.5	10

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55	Testosterone decreases the expression of endometrial pinopode and L-selectin ligand (MECA-79) in adult female rats during uterine receptivity period. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 1967-76.	0.5	10
56	Studies on glutathione S-transferase in molluscs. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1986, 85, 183-192.	0.2	9
57	Estrogen receptor (ER)- α , β and progesterone receptor (PR) mediates changes in relaxin receptor (RXFP1) Tj ETQq1 1 0.784314 rgBT <i>Pharmacology</i> , 2015, 40, 785-791.	4.0	9
58	Novel piperazine core compound induces death in human liver cancer cells: possible pharmacological properties. <i>Scientific Reports</i> , 2016, 6, 24172.	3.3	9
59	Combinatorial effect of genistein and female sex-steroids on uterine fluid volume and secretion rate and aquaporin (AQP) α 1, 2, 5, and 7 expression in the uterus in rats. <i>Environmental Toxicology</i> , 2017, 32, 832-844.	4.0	9
60	Paraoxonase 1 activity as a predictor of cardiovascular disease in type 2 diabetes. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2010, 41, 1231-46.	1.0	9
61	SHV-5 extended-spectrum beta-lactamase from <i>Klebsiella pneumoniae</i> associated with a nosocomial outbreak in a paediatric oncology unit in Malaysia. <i>International Journal of Infectious Diseases</i> , 2005, 9, 170-172.	3.3	8
62	Imipenem-resistance in <i>Klebsiella pneumoniae</i> in Malaysia due to loss of OmpK36 outer membrane protein coupled with AmpC hyperproduction. <i>International Journal of Infectious Diseases</i> , 2007, 11, 472-474.	3.3	8
63	Extended-Spectrum β -Lactam Resistance Due to AmpC Hyperproduction and CMY-2 Coupled with the Loss of OMPK35 in Malaysian Strains of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> . <i>Microbial Drug Resistance</i> , 2007, 13, 186-190.	2.0	8
64	Plasminogen activator inhibitor-1 4G/5G polymorphism is associated with metabolic syndrome parameters in Malaysian subjects. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2012, 50, 184-189.	1.4	8
65	Contribution of SLC30A8 variants to the risk of type 2 diabetes in a multi-ethnic population: a case control study. <i>BMC Endocrine Disorders</i> , 2014, 14, 2.	2.2	8
66	Estrogen and progesterone differentially regulate carbonic anhydrase II, III, IX, XII, and XIII in ovariectomized rat uteri. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 57-68.	2.1	8
67	Changes in Knee Laxity and Relaxin Receptor Isoforms Expression (RXFP1/RXFP2) in the Knee throughout Estrous Cycle Phases in Rodents. <i>PLoS ONE</i> , 2016, 11, e0160984.	2.5	8
68	Differential Expression of Na ⁺ /H ⁺ -Exchanger (NHE-1, 2, and 4) Proteins and mRNA in Rodent's Uterus under Sex Steroid Effect and at Different Phases of the Oestrous Cycle. <i>BioMed Research International</i> , 2013, 2013, 1-11.	1.9	7
69	Vacuolar-ATPase (V-ATPase) Mediates Progesterone-Induced Uterine Fluid Acidification in Rats. <i>Journal of Membrane Biology</i> , 2016, 249, 65-76.	2.1	7
70	Quercetin alters uterine fluid volume and aquaporin (AQP) subunits (AQP-1, 2, 5 & 7) expression in the uterus in the presence of sex-steroids in rats. <i>Reproductive Toxicology</i> , 2017, 69, 276-285.	2.9	7
71	Pathogenic Bacteria Predominate in the Oral Cavity of Malaysian Subjects. <i>Journal of Biological Sciences</i> , 2009, 9, 438-444.	0.3	7
72	Mechanism of Action of the Novel Nickel(II) Complex in Simultaneous Reactivation of the Apoptotic Signaling Networks Against Human Colon Cancer Cells. <i>Frontiers in Pharmacology</i> , 2016, 6, 313.	3.5	5

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73	Gene expression profile in leucocytes of type 2 diabetic subjects. <i>Biomedical Research (Aligarh, India)</i> , 2009, 20, 158.	0.1	4
74	Antioxidant Properties of Indigenous Raw and Fermented Salad Plants. <i>International Journal of Food Properties</i> , 2011, 14, 599-608.	3.0	4
75	IGF2BP2 Alternative Variants Associated with Glutamic Acid Decarboxylase Antibodies Negative Diabetes in Malaysian Subjects. <i>PLoS ONE</i> , 2012, 7, e45573.	2.5	4
76	Influence of Adiponectin and Resistin Gene Polymorphisms on Quantitative Traits Related to Metabolic Syndrome Among Malay, Chinese, and Indian Men in Malaysia. <i>Biochemical Genetics</i> , 2013, 51, 166-174.	1.7	4
77	Enhanced Expression of Sodium Hydrogen Exchanger (NHE)-1, 2 and 4 in the Cervix of Ovariectomised Rats by Phytoestrogen Genistein. <i>International Journal of Medical Sciences</i> , 2015, 12, 468-477.	2.5	4
78	Combinatorial effects of genistein and sex-steroids on the level of cystic fibrosis transmembrane regulator (CFTR), adenylate cyclase (AC) and cAMP in the cervix of ovariectomised rats. <i>Reproductive Toxicology</i> , 2015, 58, 194-202.	2.9	4
79	Enhanced expression of sodium hydrogen exchanger (NHE)-1, 2 and 4 in the uteri of rat model for post-menopause under phytoestrogen genistein influence. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 39-48.	4.0	4
80	Correction: Retraction: Novel piperazine core compound induces death in human liver cancer cells: possible pharmacological properties. <i>Scientific Reports</i> , 2016, 6, 29056.	3.3	4
81	Identification of Major Cultivable Aerobic Bacteria in the Oral Cavity of Malaysian Subjects. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 367-370.	0.4	4
82	Characterisation of Laccase from <i>Pycnoporus sanguineus</i> KUM 60953 and KUM 60954. <i>Journal of Biological Sciences</i> , 2008, 8, 866-873.	0.3	4
83	Mechanism of action of novel piperazine containing compound toxicant against human liver cancer cells. <i>PeerJ</i> , 2016, 4, e1588.	2.0	4
84	Use of glycated hemoglobin (HbA1C) and impaired glucose tolerance in the screening of undiagnosed diabetes in the Malaysian population. <i>Indian Journal of Clinical Biochemistry</i> , 2008, 23, 246-249.	1.9	3
85	Is F2-isoprostane a biological marker for the early onset of type 2 diabetes mellitus?. <i>International Journal of Diabetes in Developing Countries</i> , 2010, 30, 167.	0.8	3
86	Isoflavone genistein inhibits estrogen-induced chloride and bicarbonate secretory mechanisms in the uterus in rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21878.	3.0	3
87	Microsatellite Analysis of Wild and Captive Populations of Asian Arowana (<i>Scleropages formosus</i>) in Peninsular Malaysia. <i>Journal of Biological Sciences</i> , 2008, 8, 517-525.	0.3	3
88	Correlation of Plasma C-reactive Protein Levels to Sialic Acid and Lipid Concentrations in the Normal Population. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2007, 7, 1049-1053.	0.0	3
89	Implications of N ^ε -(Carboxymethyl)lysine in Altered Metabolism of Low Density Lipoproteins in Patients with Type 2 Diabetes and Coronary Artery Disease. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2008, 8, 152-161.	0.0	3
90	Ethnic variations in paraoxonase1 polymorphism in the Malaysian population. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2007, 38, 392-7.	1.0	3

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91	Testosterone up-regulates vacuolar ATPase expression and functional activities in vas deferens of orchidectomized rats. <i>Theriogenology</i> , 2018, 108, 354-361.	2.1	2
92	Lack of evidence for intermolecular epistatic interactions between adiponectin and resistin gene polymorphisms in Malaysian male subjects. <i>Genetics and Molecular Biology</i> , 2012, 35, 38-44.	1.3	2
93	35Year Research History of Cytotoxicity and Cancer: a Quantitative and Qualitative Analysis. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 17, 3139-45.	1.2	2
94	Antioxidant Potential of <i>Centella asiatica</i> -Associated Endophytic Bacteria. <i>Journal of Biotechnology</i> , 2010, 150, 534-534.	3.8	1
95	Microbial Competition in Oral Health. <i>International Journal of Infectious Diseases</i> , 2008, 12, e216.	3.3	0
96	Prevalence of Integrons in Malaysian Isolates of Antibiotic Resistant Bacteria. <i>International Journal of Infectious Diseases</i> , 2008, 12, e400-e401.	3.3	0
97	Rapid Detection of BlaShv ESBL in Blood by Real Time PCR. <i>International Journal of Infectious Diseases</i> , 2008, 12, e461-e462.	3.3	0
98	The novel adiponectin-resistin (AR) and insulin resistance (IR~AR~) indexes. <i>Nature Precedings</i> , 2010, , .	0.1	0
99	Exhaustive Study of the Novel Hyper Alkalophil, Thermostable, and Chelator Resistant Metalloprotease. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3397-3417.	2.9	0
100	Sialic Acid and Vascular Cell Adhesion Molecule-1 as Early Markers in the First Degree Relatives of Type 2 Diabetes Mellitus Patients. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2006, 6, 235-240.	0.0	0
101	Inherited thrombophilia markers in malaysian women with recurrent fetal loss. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1152-1154.	3.4	0