

Irene Mackraj

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

802
citations

16
h-index

27
g-index

44
ext. papers

982
ext. citations

3.7
avg, IF

4.59
L-index

#	Paper	IF	Citations
42	Exploring the use of novel drug delivery systems for antiretroviral drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 70, 697-710	5.7	93
41	Placental exosomes and pre-eclampsia: Maternal circulating levels in normal pregnancies and, early and late onset pre-eclamptic pregnancies. <i>Placenta</i> , 2016 , 46, 18-25	3.4	89
40	Placenta-derived exosomes: potential biomarkers of preeclampsia. <i>International Journal of Nanomedicine</i> , 2017 , 12, 8009-8023	7.3	60
39	The antihypertensive effects of quercetin in a salt-sensitive model of hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2008 , 51, 239-45	3.1	51
38	Update on therapeutic approaches and emerging therapies for SARS-CoV-2 virus. <i>European Journal of Pharmacology</i> , 2020 , 883, 173348	5.3	45
37	Formulation of monolayered films with drug and polymers of opposing solubilities. <i>International Journal of Pharmaceutics</i> , 2008 , 358, 184-91	6.5	45
36	Polymeric nanoparticles for enhancing antiretroviral drug therapy. <i>Drug Delivery</i> , 2008 , 15, 493-501	7	39
35	Antioxidant, antidiabetic and hypolipidemic effects of Tulbaghia violacea Harv. (wild garlic) rhizome methanolic extract in a diabetic rat model. <i>BMC Complementary and Alternative Medicine</i> , 2015 , 15, 408	4.7	32
34	The optimization of a chronic nitric oxide synthase (NOS) inhibition model of pre-eclampsia by evaluating physiological changes. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014 , 182, 71-5	2.4	25
33	Exosomal microRNA profiling in early and late onset preeclamptic pregnant women reflects pathophysiology. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5637-5657	7.3	23
32	Sanguinarine. <i>Cardiovascular Drug Reviews</i> , 2008 , 26, 75-83		21
31	Angiotensin I-converting enzyme inhibitor activity of nutritive plants in KwaZulu-Natal. <i>Journal of Medicinal Food</i> , 2008 , 11, 331-6	2.8	20
30	The effects of sildenafil citrate on urinary podocin and nephrin mRNA expression in an L-NAME model of pre-eclampsia. <i>Molecular and Cellular Biochemistry</i> , 2017 , 427, 59-67	4.2	19
29	The role of angiogenic, anti-angiogenic and vasoactive factors in pre-eclamptic African women: early- versus late-onset pre-eclampsia. <i>Cardiovascular Journal of Africa</i> , 2012 , 23, 153-9	0.7	19
28	The in vivo effects of Tulbaghia violacea on blood pressure in a salt-sensitive rat model. <i>Journal of Ethnopharmacology</i> , 2008 , 117, 263-9	5	19
27	The effects of sildenafil citrate on uterine angiogenic status and serum inflammatory markers in an L-NAME rat model of pre-eclampsia. <i>European Journal of Pharmacology</i> , 2017 , 795, 101-107	5.3	16
26	Advances in sepsis diagnosis and management: a paradigm shift towards nanotechnology. <i>Journal of Biomedical Science</i> , 2021 , 28, 6	13.3	16

25	Circulating fetal and total cell-free DNA, and sHLA-G in black South African women with gestational hypertension and pre-eclampsia. <i>Hypertension in Pregnancy</i> , 2017 , 36, 295-301	2	13
24	Investigating the effect of Aloe vera gel on the buccal permeability of didanosine. <i>Planta Medica</i> , 2012 , 78, 354-61	3.1	13
23	Sanguinarine downregulates AT1a gene expression in a hypertensive rat model. <i>Journal of Cardiovascular Pharmacology</i> , 2006 , 48, 14-21	3.1	13
22	The effect of hesperidin and luteolin isolated from on apoptosis, cell cycle and miRNA expression in MCF-7. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-10	3.6	13
21	Differential expression of miRNAs are associated with the insulin signaling pathway in preeclampsia and gestational hypertension. <i>Clinical and Experimental Hypertension</i> , 2018 , 40, 744-751	2.2	12
20	Comparative buccal permeability enhancement of didanosine and tenofovir by potential multifunctional polymeric excipients and their effects on porcine buccal histology. <i>Pharmaceutical Development and Technology</i> , 2014 , 19, 82-90	3.4	12
19	Cardiovascular effects of Tulbaghia violacea Harv. (Alliaceae) root methanolic extract in Dahl salt-sensitive (DSS) rats. <i>Journal of Ethnopharmacology</i> , 2013 , 146, 225-31	5	10
18	Comparing the mucoadhesivity and drug release mechanisms of various polymer-containing propranolol buccal tablets. <i>Drug Development and Industrial Pharmacy</i> , 2008 , 34, 189-98	3.6	10
17	Exosomal Th1/Th2 cytokines in preeclampsia and HIV-positive preeclamptic women on highly active anti-retroviral therapy. <i>Cytokine</i> , 2020 , 125, 154795	4	10
16	Angiogenic Dysregulation in Pregnancy-Related Hypertension-A Role for Metformin. <i>Reproductive Sciences</i> , 2018 , 25, 1531-1539	3	9
15	The effect of Kraussianone-2 (Kr2), a natural pyrano-isoflavone from Eriosema kraussianum, in an L-NAME- induced pre-eclamptic rat model. <i>Phytotherapy Research</i> , 2012 , 26, 1375-80	6.7	9
14	Vitamin B6 deficiency alters tissue iron concentrations in the Wistar rat. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009 , 23, 43-9	4.1	8
13	Protective role of wild garlic on isoproterenol-induced myocardial necrosis in wistar rats. <i>Journal of Ethnopharmacology</i> , 2019 , 237, 108-115	5	7
12	Effects of Tulbaghia violacea Harv. (Alliaceae) rhizome methanolic extract on kidney function and morphology in Dahl salt-sensitive rats. <i>Journal of Ethnopharmacology</i> , 2014 , 155, 1194-203	5	7
11	Using an experimental design to identify and quantify the effects of environment related test parameters on the in vitro mucoadhesivity testing of a propranolol buccal tablet. <i>Drug Development and Industrial Pharmacy</i> , 2007 , 33, 709-16	3.6	6
10	Placental Microbial Colonization and Its Association With Pre-eclampsia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 413	5.9	6
9	Phytochemical constituents and anticancer screening of isolated compounds from. <i>Natural Product Research</i> , 2021 , 35, 4173-4176	2.3	5
8	ACE inhibitor activity of nutritive plants in Kwa-Zulu Natal. <i>FASEB Journal</i> , 2007 , 21, A1247	0.9	2

7	Serum levels of vasoactive factors in HIV-infected pre-eclamptic women on HAART. <i>Journal of Obstetrics and Gynaecology</i> , 2021 , 41, 546-551	1.3	1
6	<i>T. violacea</i> lowers blood pressure and down regulates AT1a gene expression in a hypertensive rat model. <i>FASEB Journal</i> , 2007 , 21, A1247	0.9	1
5	The Renin-Angiotensin System, Hypertension, and SARS-CoV-2 Infection: a Review. <i>Current Hypertension Reports</i> , 2021 , 23, 17	4.7	1
4	Pharmacotherapeutic properties of <i>Strelitzia nicolai</i> aril extract containing bilirubin. <i>South African Journal of Botany</i> , 2021 , 137, 377-385	2.9	1
3	Hesperidin-loaded nanoemulsions improve cytotoxicity, induce apoptosis, and downregulate miR-21 and miR-155 expression in MCF-7. <i>Journal of Microencapsulation</i> , 2021 , 38, 486-495	3.4	1
2	METABOLIC EFFECTS OF HARV. IN A DIABETIC MODEL. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2016 , 13, 113-122	0.3	0
1	The Influence of Bovine Serum Albumin Modified Titanium Dioxide Nanoparticles on Myoblast Cytotoxicity. <i>Pharmaceutical Chemistry Journal</i> , 2020 , 54, 883-890	0.9	