

Irene Mackraj

List of Publications by Year in descending order

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43
papers

1,146
citations

393982

19
h-index

395343

33
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44
all docs

44
docs citations

44
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.7	126
2	Exploring the use of novel drug delivery systems for antiretroviral drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 697-710.	2.0	108
3	Placenta-derived exosomes: potential biomarkers of preeclampsia. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8009-8023.	3.3	94
4	The Antihypertensive Effects of Quercetin in a Salt-sensitive Model of Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2008, 51, 239-245.	0.8	65
5	Advances in sepsis diagnosis and management: a paradigm shift towards nanotechnology. <i>Journal of Biomedical Science</i> , 2021, 28, 6.	2.6	56
6	Formulation of monolayered films with drug and polymers of opposing solubilities. <i>International Journal of Pharmaceutics</i> , 2008, 358, 184-191.	2.6	55
7	Update on therapeutic approaches and emerging therapies for SARS-CoV-2 virus. <i>European Journal of Pharmacology</i> , 2020, 883, 173348.	1.7	55
8	Polymeric Nanoparticles for Enhancing Antiretroviral Drug Therapy. <i>Drug Delivery</i> , 2008, 15, 493-501.	2.5	48
9	Antioxidant, antidiabetic and hypolipidemic effects of <i>Tulbaghia violacea</i> Harv. (wild garlic) rhizome methanolic extract in a diabetic rat model. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 408.	3.7	44
10	<p>Exosomal microRNA profiling in early and late onset preeclamptic pregnant women reflects pathophysiology</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 5637-5657.	3.3	39
11	Sanguinarine. <i>Cardiovascular Drug Reviews</i> , 2008, 26, 75-83.	4.4	34
12	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, 71-75.	0.5	32
13	The effect of hesperidin and luteolin isolated from <i>Eriocephalus africanus</i> on apoptosis, cell cycle and miRNA expression in MCF-7. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 1791-1800.	2.0	30
14	Angiotensin I-Converting Enzyme Inhibitor Activity of Nutritive Plants in KwaZulu-Natal. <i>Journal of Medicinal Food</i> , 2008, 11, 331-336.	0.8	29
15	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.	1.7	28
16	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, 153-159.	0.2	22
17	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.	1.4	22
18	The in vivo effects of <i>Tulbaghia violacea</i> on blood pressure in a salt-sensitive rat model. <i>Journal of Ethnopharmacology</i> , 2008, 117, 263-269.	2.0	21

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19	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.	0.5	21
20	Investigating the Effect of <i>Aloe vera</i> Gel on the Buccal Permeability of Didanosine. <i>Planta Medica</i> , 2012, 78, 354-361.	0.7	20
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.	0.5	18
22	Placental Microbial Colonization and Its Association With Pre-eclampsia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 413.	1.8	18
23	Exosomal Th1/Th2 cytokines in preeclampsia and HIV-positive preeclamptic women on highly active anti-retroviral therapy. <i>Cytokine</i> , 2020, 125, 154795.	1.4	16
24	Sanguinarine Downregulates AT1a Gene Expression in a Hypertensive Rat Model. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 48, 14-21.	0.8	15
25	Cardiovascular effects of <i>Tulbaghia violacea</i> Harv. (Alliaceae) root methanolic extract in Dahl salt-sensitive (DSS) rats. <i>Journal of Ethnopharmacology</i> , 2013, 146, 225-231.	2.0	13
26	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.	1.1	13
27	Protective role of wild garlic on isoproterenol-induced myocardial necrosis in wistar rats. <i>Journal of Ethnopharmacology</i> , 2019, 237, 108-115.	2.0	13
28	The Effect of Kraussianone (Kr2), a Natural Pyranoisoflavone from <i>Eriosema kraussianum</i> , in an L-NAME-induced Pre-eclamptic Rat Model. <i>Phytotherapy Research</i> , 2012, 26, 1375-1380.	2.8	12
29	Angiogenic Dysregulation in Pregnancy-Related Hypertension—A Role for Metformin. <i>Reproductive Sciences</i> , 2018, 25, 1531-1539.	1.1	11
30	Comparing the Mucoadhesivity and Drug Release Mechanisms of Various Polymer-Containing Propranolol Buccal Tablets. <i>Drug Development and Industrial Pharmacy</i> , 2008, 34, 189-198.	0.9	10
31	Vitamin B6 deficiency alters tissue iron concentrations in the Wistar rat. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009, 23, 43-49.	1.5	9
32	Effects of <i>Tulbaghia violacea</i> Harv. (Alliaceae) rhizome methanolic extract on kidney function and morphology in Dahl salt-sensitive rats. <i>Journal of Ethnopharmacology</i> , 2014, 155, 1194-1203.	2.0	9
33	Phytochemical constituents and <i>in vitro</i> anticancer screening of isolated compounds from <i>Eriosema africanum</i> . <i>Natural Product Research</i> , 2021, 35, 4173-4176.	1.0	8
34	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.	1.2	8
35	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, 709-716.	0.9	6
36	The Renin-Angiotensin System, Hypertension, and SARS-CoV-2 Infection: a Review. <i>Current Hypertension Reports</i> , 2021, 23, 17.	1.5	6

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37	ACE inhibitor activity of nutritive plants in KwaZulu Natal. FASEB Journal, 2007, 21, A1247.	0.2	4
38	METABOLIC EFFECTS OF TULBAGHIA VIOLACEA HARV. IN A DIABETIC MODEL. Tropical Journal of Obstetrics and Gynaecology, 2016, 13, 113-122.	0.3	3
39	Serum levels of vasoactive factors in HIV-infected pre-eclamptic women on HAART. Journal of Obstetrics and Gynaecology, 2021, 41, 546-551.	0.4	2
40	Pharmacotherapeutic properties of Strelitzia nicolai aril extract containing bilirubin. South African Journal of Botany, 2021, 137, 377-385.	1.2	1
41	T. violacea lowers blood pressure and down regulates AT1a gene expression in a hypertensive rat model. FASEB Journal, 2007, 21, A1247.	0.2	1
42	Circulatory levels of tumor necrosis factor- α , interleukin-6, and syncytiotrophoblast microvesicles in the first trimester of pregnancy. Clinical and Experimental Obstetrics and Gynecology, 2018, 45, 575-581.	0.1	1
43	The Influence of Bovine Serum Albumin Modified Titanium Dioxide Nanoparticles on Myoblast Cytotoxicity. Pharmaceutical Chemistry Journal, 2020, 54, 883-890.	0.3	0