

# Pedro Jorge Caldas Magalhães

## List of Publications by Year in descending order

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106  
papers

2,093  
citations

218592

26  
h-index

302012

39  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiovascular effects of 1,8-cineole, a terpenoid oxide present in many plant essential oils, in normotensive rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002, 80, 1125-1131.	0.7	135
2	Vasorelaxant effects of the monoterpenic phenol isomers, carvacrol and thymol, on rat isolated aorta. <i>Fundamental and Clinical Pharmacology</i> , 2010, 24, 341-350.	1.0	103
3	Inhaled 1,8-Cineole Reduces Inflammatory Parameters in Airways of Ovalbumin-Challenged Guinea Pigs. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 108, 34-39.	1.2	69
4	Intestinal myorelaxant and antispasmodic effects of the essential oil of <i>Croton nepetaefolius</i> and its constituents cineole, methyl-eugenol and terpineol. <i>Phytotherapy Research</i> , 1998, 12, 172-177.	2.8	66
5	Linalool blocks excitability in peripheral nerves and voltage-dependent Na <sup>+</sup> current in dissociated dorsal root ganglia neurons. <i>European Journal of Pharmacology</i> , 2010, 645, 86-93.	1.7	61
6	Endothelium-dependent vasorelaxant effects of the essential oil from aerial parts of <i>Alpinia zerumbet</i> and its main constituent 1,8-cineole in rats. <i>Phytomedicine</i> , 2009, 16, 1151-1155.	2.3	58
7	Cardiovascular effects of the essential oil of <i>Croton zehntneri</i> leaves and its main constituents, anethole and estragole, in normotensive conscious rats. <i>Life Sciences</i> , 2006, 78, 2365-2372.	2.0	51
8	Cardiovascular Effects of Eugenol, a Phenolic Compound Present in Many Plant Essential Oils, in Normotensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 43, 250-257.	0.8	47
9	Relaxant Effects of the Essential Oil of <i>Eucalyptus tereticornis</i> and its Main Constituent 1,8-Cineole on Guinea-Pig Tracheal Smooth Muscle. <i>Planta Medica</i> , 2005, 71, 1173-1175.	0.7	44
10	Essential Oil of <i>Croton nepetaefolius</i> Decreases Blood Pressure through an Action upon Vascular Smooth Muscle: Studies in DOCA-Salt Hypertensive Rats. <i>Planta Medica</i> , 2000, 66, 138-143.	0.7	43
11	Pharmacological evidence of calcium channel blockade by essential oil of <i>Ocimum gratissimum</i> and its main constituent, eugenol, in isolated aortic rings from DOCA-salt hypertensive rats. <i>Fundamental and Clinical Pharmacology</i> , 2007, 21, 497-506.	1.0	43
12	Cardiovascular effects of methyleugenol, a natural constituent of many plant essential oils, in normotensive rats. <i>Life Sciences</i> , 2004, 74, 2401-2412.	2.0	41
13	Targeted inhibition of IL-18 attenuates irinotecan-induced intestinal mucositis in mice. <i>British Journal of Pharmacology</i> , 2014, 171, 2335-2350.	2.7	41
14	Cardiovascular Effects of the Essential Oil of <i>Aniba canelilla</i> Bark in Normotensive Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2005, 46, 412-421.	0.8	40
15	Cardiovascular Effects of the Essential Oil of <i>Croton nepetaefolius</i> in Rats: Role of the Autonomic Nervous System. <i>Planta Medica</i> , 1999, 65, 553-557.	0.7	39
16	Antispasmodic effects of essential oil of <i>Pterodon polygalaeflorus</i> and its main constituent Î²-caryophyllene on rat isolated ileum. <i>Fundamental and Clinical Pharmacology</i> , 2010, 24, 749-758.	1.0	39
17	Enhanced Hypotensive Effects of the Essential Oil of <i>Ocimum gratissimum</i> Leaves and its Main Constituent, Eugenol, in DOCA-Salt Hypertensive Conscious Rats. <i>Planta Medica</i> , 2005, 71, 376-378.	0.7	38
18	1-Nitro-2-phenylethane, the main constituent of the essential oil of <i>Aniba canelilla</i> , elicits a vago-vagal bradycardiac and depressor reflex in normotensive rats. <i>European Journal of Pharmacology</i> , 2010, 638, 90-98.	1.7	36

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19	The vasorelaxant effects of 1-nitro-2-phenylethane involve stimulation of the soluble guanylate cyclase-cGMP pathway. <i>Biochemical Pharmacology</i> , 2013, 85, 780-788.	2.0	36
20	ESSENTIAL OIL OF CROTON NEPETAEFOLIUS AND ITS MAIN CONSTITUENT, 1,8-CINEOLE, BLOCK EXCITABILITY OF RAT SCIATIC NERVE IN VITRO. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 1158-1163.	0.9	35
21	Vasorelaxation induced by the essential oil of <i>Croton nepetaefolius</i> and its constituents in rat aorta are partially mediated by the endothelium. <i>Fundamental and Clinical Pharmacology</i> , 2008, 22, 169-177.	1.0	35
22	Effects of the essential oil of <i>Croton zehntneri</i> , and its constituent estragole on intestinal smooth muscle. , 1997, 11, 299-304.		34
23	Antispasmodic effects of the essential oil of <i>Croton nepetaefolius</i> on guinea-pig ileum: a myogenic activity. <i>Fundamental and Clinical Pharmacology</i> , 2004, 18, 539-546.	1.0	31
24	Phytochemical study guided by the myorelaxant activity of the crude extract, fractions and constituent from stem bark of <i>Hymenaea courbaril</i> L.. <i>Journal of Ethnopharmacology</i> , 2013, 149, 62-69.	2.0	31
25	Inhibitory actions of eugenol on rat isolated ileum. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002, 80, 901-906.	0.7	28
26	Side-Effects of Irinotecan (CPT-11), the Clinically Used Drug for Colon Cancer Therapy, Are Eliminated in Experimental Animals Treated with Latex Proteins from <i>Calotropis procera</i> (Apocynaceae). <i>Phytotherapy Research</i> , 2017, 31, 312-320.	2.8	28
27	Eugenol modifies the excitability of rat sciatic nerve and superior cervical ganglion neurons. <i>Neuroscience Letters</i> , 2010, 472, 220-224.	1.0	27
28	Mechanisms underlying the cardiovascular effects of a labdenic diterpene isolated from <i>Moldenhawera nutans</i> in normotensive rats. <i>Vascular Pharmacology</i> , 2007, 46, 60-66.	1.0	26
29	Vasorelaxant effects of 1-nitro-2-phenylethane, the main constituent of the essential oil of <i>Aniba canelilla</i> , in superior mesenteric arteries from spontaneously hypertensive rats. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 709-716.	1.9	26
30	Cardiovascular effects of 1-nitro-2-phenylethane, the main constituent of the essential oil of <i>Aniba canelilla</i> , in spontaneously hypertensive rats. <i>Fundamental and Clinical Pharmacology</i> , 2011, 25, 661-669.	1.0	25
31	Nitric Oxide and Hydrogen Sulfide Interact When Modulating Gastric Physiological Functions in Rodents. <i>Digestive Diseases and Sciences</i> , 2017, 62, 93-104.	1.1	25
32	Antinociceptive and Antispasmodic Effects of the Essential Oil of <i>Ocimum micranthum</i> : Potential Anti-inflammatory Properties. <i>Planta Medica</i> , 2012, 78, 681-685.	0.7	24
33	In-vitro characterization of the pharmacological effects induced by (-)-bisabolol in rat smooth muscle preparations. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 23-35.	0.7	24
34	Knowledge, attitude and behaviour regarding dietary salt intake among medical students in Angola: cardiovascular topic. <i>Cardiovascular Journal of Africa</i> , 2015, 26, 57-62.	0.2	24
35	Involvement of Nitric Oxide in the Mediation of the Hypotensive Action of the Essential Oil of <i>Mentha ÁfÁ— villosa</i> in Normotensive Conscious Rats. <i>Planta Medica</i> , 2002, 68, 694-699.	0.7	23
36	Effects of 1,8-cineole on electrophysiological parameters of neurons of the rat superior cervical ganglion. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 1068-1073.	0.9	23

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37	What would SÃ©rgio Ferreira say to your physician in this war against COVID-19: How about kallikrein/kinin system?. <i>Medical Hypotheses</i> , 2020, 143, 109886.	0.8	22
38	Inhibitory effect of 1,8- $\epsilon$ -cineole on guinea-pig airway challenged with ovalbumin involves a preferential action on electromechanical coupling. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009, 36, 1120-1126.	0.9	20
39	Linalool-rich Rosewood Oil Induces Vago-vagal Bradycardic and Depressor Reflex in Rats. <i>Phytotherapy Research</i> , 2014, 28, 42-48.	2.8	20
40	Cyclooxygenase-2 contributes to functional changes seen on experimental hemorrhagic cystitis induced by ifosfamide in rat urinary bladder. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 67, 935-943.	1.1	19
41	Prevalence of the metabolic syndrome and determination of optimal cut-off values of waist circumference in university employees from Angola : cardiovascular topic. <i>Cardiovascular Journal of Africa</i> , 2014, 25, 27-33.	0.2	19
42	Target Inhibition of IL-1 Receptor Prevents Ifosfamide Induced Hemorrhagic Cystitis in Mice. <i>Journal of Urology</i> , 2015, 194, 1777-1786.	0.2	19
43	Essential oil of <i>Pterodon polygalaeflorus</i> inhibits electromechanical coupling on rat isolated trachea. <i>Journal of Ethnopharmacology</i> , 2007, 109, 515-522.	2.0	18
44	Evaluation of gastrointestinal motility in awake rats: a learning exercise for undergraduate biomedical students. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2009, 33, 343-348.	0.8	18
45	The Essential Oil of <i>Eucalyptus tereticornis</i> and its Constituents, $\alpha$ - and $\beta$ -Pinene, Show Accelerative Properties on Rat Gastrointestinal Transit. <i>Planta Medica</i> , 2011, 77, 57-59.	0.7	18
46	Sodium bicarbonate treatment prevents gastric emptying delay caused by acute exercise in awake rats. <i>Journal of Applied Physiology</i> , 2014, 116, 1133-1141.	1.2	17
47	Vasorelaxant effects of 1-nitro-2-phenylethane in rat isolated aortic rings. <i>Vascular Pharmacology</i> , 2014, 63, 55-62.	1.0	17
48	A case study on the impact of nearly Zero-Energy Buildings on distribution transformer aging. <i>Energy</i> , 2018, 157, 669-678.	4.5	17
49	Biopolymer Extracted from <i>Anadenanthera colubrina</i> (Red Angico Gum) Exerts Therapeutic Potential in Mice: Antidiarrheal Activity and Safety Assessment. <i>Pharmaceuticals</i> , 2020, 13, 17.	1.7	17
50	Increased responsiveness to 5-hydroxytryptamine after antigenic challenge is inhibited by nifedipine and niflumic acid in rat trachea in vitro *. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 1119-1123.	0.9	16
51	The essential oil of <i>Eucalyptus tereticornis</i> , and its constituents $\alpha$ - and $\beta$ -pinene, potentiate acetylcholine-induced contractions in isolated rat trachea. <i>FÄtoterapÄ</i> , 2010, 81, 649-655.	1.1	14
52	Antispasmodic effects of eugenol on rat airway smooth muscle. <i>Fundamental and Clinical Pharmacology</i> , 2011, 25, 690-699.	1.0	14
53	Biphasic cardiovascular and respiratory effects induced by $\beta$ -citronellol. <i>European Journal of Pharmacology</i> , 2016, 775, 96-105.	1.7	14
54	A Method for Measuring the Success of Collaborative University-Industry R&D Funded Contracts. <i>Procedia Computer Science</i> , 2017, 121, 451-460.	1.2	14

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55	Myorelaxant Effects of the Essential Oil of <i>Croton nepetaefolius</i> on the Contractile Activity of the Guinea-Pig Tracheal Smooth Muscle. <i>Planta Medica</i> , 2003, 69, 874-877.	0.7	13
56	Effects of K <sup>+</sup> Channels Inhibitors on the Cholinergic Relaxation of the Isolated Aorta of Adult Offspring Rats Exposed to Maternal Diabetes. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010, 118, 360-363.	0.6	13
57	Cytoprotective effect of 1-nitro-2-phenylethane in mice pancreatic acinar cells subjected to taurocholate: Putative role of guanylyl cyclase-derived 8-nitro-cyclic-GMP. <i>Biochemical Pharmacology</i> , 2014, 91, 191-201.	2.0	13
58	( $\alpha^1$ )- $\beta$ -Bisabolol inhibits preferentially electromechanical coupling on rat isolated arteries. <i>Vascular Pharmacology</i> , 2014, 63, 37-45.	1.0	12
59	Inhibitory effects of a standardized extract of <i>Justicia pectoralis</i> in an experimental rat model of airway hyper-responsiveness. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 722-732.	1.2	12
60	Prevalence and Clinical Correlates of Left Ventricular Hypertrophy in Black Africans. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2018, 25, 283-289.	1.0	12
61	Talking about bioelectrical potentials using rings of the mesenteric artery without glass micropipettes. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2012, 36, 336-344.	0.8	11
62	Inhibitory effects of sertraline in rat isolated perfused kidneys and in isolated ring preparations of rat arteries. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1186-1194.	1.2	10
63	Trans-4-methoxy- $\beta$ -nitrostyrene relaxes rat thoracic aorta through a sGC-dependent pathway. <i>European Journal of Pharmacology</i> , 2017, 807, 182-189.	1.7	9
64	Inhibitory effect of sildenafil on rat duodenal contractility In vitro: Putative cGMP involvement. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 191-195.	0.9	8
65	Sildenafil inhibits duodenal contractility via activation of the NO <sup>-</sup> K <sup>+</sup> channel pathway. <i>Fundamental and Clinical Pharmacology</i> , 2008, 22, 61-67.	1.0	8
66	Arterial Stiffness in Lower Limb Amputees. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2011, 5, CCRPM.S7757.	0.5	8
67	Vasorelaxation induced by methyl cinnamate, the major constituent of the essential oil of <i>Ocimum micranthum</i> , in rat isolated aorta. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014, 41, 755-762.	0.9	8
68	Antispasmodic and myorelaxant effects of the flavoring agent methyl cinnamate in gut: Potential inhibition of tyrosine kinase. <i>European Journal of Pharmacology</i> , 2014, 740, 192-199.	1.7	8
69	Disorders on cardiovascular parameters in rats and in human blood cells caused by <i>Lachesis acrochorda</i> snake venom. <i>Toxicon</i> , 2020, 184, 180-191.	0.8	8
70	Mechanism of the vasorelaxant effect induced by trans-4-methoxy- $\beta$ -nitrostyrene, a synthetic nitroderivative, in rat thoracic aorta. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 787-794.	0.9	7
71	Gastrointestinal effects of standardized Brazilian phytomedicine (Arthur de Carvalho Drops <sup>®</sup> ) containing <i>Matricaria recutita</i> , <i>Gentiana lutea</i> and <i>Foeniculum vulgare</i> . <i>Pathophysiology</i> , 2019, 26, 349-359.	1.0	7
72	Antispasmodic effects of a new kaurene diterpene isolated from <i>Croton argyrophylloides</i> on rat airway smooth muscle. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 1155-1164.	1.2	6

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73	Atrial stretch delays gastric emptying of liquids in awake rats. <i>Life Sciences</i> , 2013, 92, 569-575.	2.0	6
74	Carvone ( <i>R</i> ) and ( <i>S</i> ) enantiomers inhibits upper gastrointestinal motility in mice. <i>Flavour and Fragrance Journal</i> , 2015, 30, 439-444.	1.2	6
75	Î±-Terpineol Induces Gastric Retention of Liquids by Inhibiting Vagal Parasympathetic Pathways in Rats. <i>Planta Medica</i> , 2016, 82, 1329-1334.	0.7	6
76	A simple laboratory exercise with rat isolated esophagus and stomach fundus to reveal functional differences between striated and smooth muscle cells. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2017, 41, 291-297.	0.8	6
77	Vasorelaxant effect of trans-4-chloro-2-nitrostyrene, a synthetic nitroderivative, in rat thoracic aorta. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 331-340.	1.0	6
78	Aortocaval fistula delays gastric emptying of liquid test meal in awake rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 304, H1397-H1405.	1.5	5
79	Cardiovascular Effects of the Essential Oil of <i>Croton Zehntneri</i> Leaves in DOCA-salt Hypertensive, Conscious Rats. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.2	5
80	Endothelium-independent vasodilator effect of 2-nitro-1-phenyl-1-propanol on mesenteric resistance vessels in rats. <i>European Journal of Pharmacology</i> , 2017, 806, 52-58.	1.7	5
81	Extracellular acidosis selectively inhibits pharmacomechanical coupling induced by carbachol in strips of rat gastric fundus. <i>Experimental Physiology</i> , 2017, 102, 1607-1618.	0.9	5
82	Mechanisms underlying the vasorelaxant effect of trans-4-methoxy-2-nitrostyrene in the rat mesenteric resistance arteries. <i>European Journal of Pharmacology</i> , 2019, 853, 201-209.	1.7	5
83	Stimulation of pulmonary vagal C-fibers by trans-4-methyl-2-nitrostyrene induces bradycardiac and depressor reflex in rats: Role of vanilloid TRPV1 receptors. <i>European Journal of Pharmacology</i> , 2019, 849, 154-159.	1.7	5
84	Dual excitatory and smooth muscle relaxant effect of 2-phenylethylamine on gastric fundus strips in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 40-47.	0.9	5
85	Cardiovascular risk factors in pre-pubertal schoolchildren in Angola. <i>Cardiovascular Journal of Africa</i> , 2016, 27, 315-321.	0.2	5
86	1,8 cineole decreases gastric compliance in anesthetized rats. <i>Acta Cirurgica Brasileira</i> , 2007, 22, 63-67.	0.3	3
87	Vasorelaxant effects of 2-nitro-1-phenyl-1-propanol in rat aorta. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 1054-1061.	0.9	3
88	Vasodilator effects and putative guanylyl cyclase stimulation by 2-nitro-1-phenylethanone and 2-nitro-2-phenyl-propane-1,3-diol on rat aorta. <i>European Journal of Pharmacology</i> , 2018, 830, 105-114.	1.7	3
89	Impairment of rat oesophageal muscle contractility associated with experimental non-erosive oesophageal mucosal damage. <i>Experimental Physiology</i> , 2019, 104, 199-208.	0.9	3
90	Anti-diarrheal therapeutic potential of diminazene aceturate stimulation of the ACE II/Ang-(1-7)/Mas receptor axis in mice: A trial study. <i>Biochemical Pharmacology</i> , 2021, 186, 114500.	2.0	3

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91	Role of cholecystokinin and oxytocin in slower gastric emptying induced by physical exercise in rats. <i>Physiology and Behavior</i> , 2021, 233, 113355.	1.0	3
92	The essential oil of <i>Croton nepetaefolius</i> selectively blocks histamine-augmented neuronal excitability in guinea-pig celiac ganglion. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1045-1053.	1.2	2
93	Gastric contractility in experimental gastroschisis. <i>Journal of Pediatric Surgery</i> , 2013, 48, 326-332.	0.8	2
94	Cardiovascular effects of a labdenic diterpene isolated from <i>Moldenhawera nutans</i> in conscious, spontaneously hypertensive rats. <i>Pharmaceutical Biology</i> , 2015, 53, 582-587.	1.3	2
95	The triterpenoid alpha, beta-amyrin prevents the impaired aortic vascular reactivity in high-fat diet-induced obese mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 1029-1039.	1.4	2
96	Vasodilatory action of trans-4-methoxy-2-nitrostyrene in rat isolated pulmonary artery. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 717-725.	0.9	2
97	The soluble guanylate cyclase stimulator, 1-nitro-2-phenylethane, reverses monocrotaline-induced pulmonary arterial hypertension in rats. <i>Life Sciences</i> , 2021, 275, 119334.	2.0	2
98	Therapeutic effects of a lipid transfer protein isolated from <i>Morinda citrifolia</i> L. (noni) seeds on irinotecan-induced intestinal mucositis in mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 0, , .	1.4	2
99	Endothelium-dependent and endothelium-independent effects of 1-nitro-2-propylbenzene on rat aorta. <i>Fundamental and Clinical Pharmacology</i> , 2019, 33, 612-620.	1.0	1
100	Neryl butyrate induces contractile effects on isolated preparations of rat aorta. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 43-55.	1.4	1
101	Arterial stiffness in black adults from Angola and Brazil. <i>Journal of Clinical Hypertension</i> , 2020, 22, 1469-1475.	1.0	1
102	Soluble guanylate cyclase stimulator, trans-4-methoxy-2-nitrostyrene, has a beneficial effect in monocrotaline-induced pulmonary arterial hypertension in rats. <i>European Journal of Pharmacology</i> , 2021, 897, 173948.	1.7	1
103	Differential effects of 2-methylphenylethylamine and octopamine on contractile parameters of the rat gastrointestinal tract. <i>European Journal of Pharmacology</i> , 2021, 908, 174339.	1.7	1
104	Detection of SARS-CoV-2 in Different Human Biofluids Using the Loop-Mediated Isothermal Amplification Assay: A Prospective Diagnostic Study in Fortaleza, Brazil. <i>Journal of Medical Virology</i> , 2022, , .	2.5	1
105	Cardiovascular effects of methyleugenol, a natural constituent of many plant essential oils, in normotensive rats. <i>Life Sciences</i> , 2004, 74, 2401-2401.	2.0	0
106	Pharmacological evidence of calcium-channel blockade by essential oil of <i>Ocimum gratissimum</i> and its main constituent, eugenol, in isolated aortic rings from DOCA-salt hypertensive rats. <i>Fundamental and Clinical Pharmacology</i> , 2007, .	1.0	0