

Domenica Altavilla

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

4,965
citations

136950

32
h-index

95266

68
g-index

77
all docs

77
docs citations

77
times ranked

6793
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Stress: Harms and Benefits for Human Health. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-13.	4.0	2,095
2	Recombinant Human Erythropoietin Stimulates Angiogenesis and Wound Healing in the Genetically Diabetic Mouse. <i>Diabetes</i> , 2004, 53, 2509-2517.	0.6	174
3	Recombinant human erythropoietin improves angiogenesis and wound healing in experimental burn wounds*. <i>Critical Care Medicine</i> , 2006, 34, 1139-1146.	0.9	157
4	Cadmium, Organ Toxicity and Therapeutic Approaches: A Review on Brain, Kidney and Testis Damage. <i>Current Medicinal Chemistry</i> , 2017, 24, 3879-3893.	2.4	110
5	Lipid Peroxidation Inhibition Blunts Nuclear Factor- κ B Activation, Reduces Skeletal Muscle Degeneration, and Enhances Muscle Function in mdx Mice. <i>American Journal of Pathology</i> , 2006, 168, 918-926.	3.8	105
6	ACTIVATION OF THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY REDUCES NF- κ B ACTIVATION, BLUNTS TNF- α PRODUCTION, AND PROTECTS AGAINST SPLANCHIC ARTERY OCCLUSION SHOCK. <i>Shock</i> , 2006, 25, 500-506.	2.1	91
7	Cardioprotection by the phytoestrogen genistein in experimental myocardial ischaemia-reperfusion injury. <i>British Journal of Pharmacology</i> , 1999, 128, 1683-1690.	5.4	87
8	Pharmacological Activity and Clinical Use of PDRN. <i>Frontiers in Pharmacology</i> , 2017, 8, 224.	3.5	87
9	Attenuated Cerulein-Induced Pancreatitis in Nuclear Factor- κ B Deficient Mice. <i>Laboratory Investigation</i> , 2003, 83, 1723-1732.	3.7	84
10	Polydeoxyribonucleotide (PDRN): A Safe Approach to Induce Therapeutic Angiogenesis in Peripheral Artery Occlusive Disease and in Diabetic Foot Ulcers. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2009, 7, 313-321.	1.0	75
11	Oxidative stress and DNA repair and detoxification gene expression in adolescents exposed to heavy metals living in the Milazzo-Valle del Mela area (Sicily, Italy). <i>Redox Biology</i> , 2014, 2, 686-693.	9.0	74
12	Reduction of carbon tetrachloride-induced rat liver injury by IRFI 042, a novel dual vitamin E-like antioxidant. <i>Free Radical Research</i> , 2001, 34, 379-393.	3.3	66
13	Recombinant human erythropoietin inhibits iNOS activity and reverts vascular dysfunction in splanchnic artery occlusion shock. <i>British Journal of Pharmacology</i> , 1999, 127, 482-488.	5.4	64
14	Levetiracetam protects against kainic acid-induced toxicity. <i>Life Sciences</i> , 2004, 74, 1253-1264.	4.3	61
15	Flavocoxid counteracts muscle necrosis and improves functional properties in mdx mice: A comparison study with methylprednisolone. <i>Experimental Neurology</i> , 2009, 220, 349-358.	4.1	58
16	Inhibition of nuclear factor- κ B activation by IRFI 042, protects against endotoxin-induced shock. <i>Cardiovascular Research</i> , 2002, 54, 684-693.	3.8	54
17	Cardiovascular Effects of the Phytoestrogen Genistein. <i>Current Medicinal Chemistry Cardiovascular and Hematological Agents</i> , 2004, 2, 179-186.	1.7	54
18	Dietary Management of Skin Health: The Role of Genistein. <i>Nutrients</i> , 2017, 9, 622.	4.1	50

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19	Myo-inositol in the protection from cadmium-induced toxicity in mice kidney: An emerging nutraceutical challenge. <i>Food and Chemical Toxicology</i> , 2019, 132, 110675.	3.6	46
20	Cardiovascular Effects of Raloxifene Hydrochloride. <i>Cardiovascular Drug Reviews</i> , 2001, 19, 57-74.	4.1	45
21	Activation of adenosine A2A receptors restores the altered cell-cycle machinery during impaired wound healing in genetically diabetic mice. <i>Surgery</i> , 2011, 149, 253-261.	1.9	44
22	Flavocoxid Inhibits Phospholipase A2, Peroxidase Moieties of the Cyclooxygenases (COX), and 5-Lipoxygenase, Modifies COX-2 Gene Expression, and Acts as an Antioxidant. <i>Mediators of Inflammation</i> , 2011, 2011, 1-11.	3.0	44
23	Cadmium-Induced Oxidative Stress Impairs Glycemic Control in Adolescents. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-6.	4.0	41
24	Polydeoxyribonucleotide, an Adenosine-A2A Receptor Agonist, Preserves Blood Testis Barrier from Cadmium-Induced Injury. <i>Frontiers in Pharmacology</i> , 2016, 7, 537.	3.5	40
25	Flavocoxid, a Nutraceutical Approach to Blunt Inflammatory Conditions. <i>Mediators of Inflammation</i> , 2014, 2014, 1-8.	3.0	38
26	Effects of COX1-2/5-LOX blockade in Alzheimer transgenic 3xTg-AD mice. <i>Inflammation Research</i> , 2017, 66, 389-398.	4.0	37
27	Cadmium delays puberty onset and testis growth in adolescents. <i>Clinical Endocrinology</i> , 2015, 83, 357-362.	2.4	36
28	Tumour necrosis factor- $\hat{1}\alpha$ as a target of melanocortins in haemorrhagic shock, in the anaesthetized rat. <i>British Journal of Pharmacology</i> , 1998, 124, 1587-1590.	5.4	35
29	Effects of the antagomiRs 15b and 200b on the altered healing pattern of diabetic mice. <i>British Journal of Pharmacology</i> , 2018, 175, 644-655.	5.4	35
30	Participation of tumour necrosis factor and nitric oxide in the mediation of vascular dysfunction in splanchnic artery occlusion shock. <i>British Journal of Pharmacology</i> , 1994, 113, 1153-1158.	5.4	33
31	$\hat{1}^2$ -Caryophyllene Reduces the Inflammatory Phenotype of Periodontal Cells by Targeting CB2 Receptors. <i>Biomedicines</i> , 2020, 8, 164.	3.2	33
32	Modulation of IL-1 $\hat{1}^2$ gene expression by lipid peroxidation inhibition after kainic acid-induced rat brain injury. <i>Experimental Neurology</i> , 2004, 188, 178-186.	4.1	32
33	NLRP3 Inflammasome Involvement in the Organ Damage and Impaired Spermatogenesis Induced by Testicular Ischemia and Reperfusion in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 355, 370-380.	2.5	32
34	Adrenocorticotropin reverses vascular dysfunction and protects against splanchnic artery occlusion shock. <i>British Journal of Pharmacology</i> , 1999, 128, 816-822.	5.4	31
35	Lipid Peroxidation Inhibition Reduces NF- $\hat{1}^B$ Activation and Attenuates Cerulein-induced Pancreatitis. <i>Free Radical Research</i> , 2003, 37, 425-435.	3.3	31
36	Activation of adenosine A2A receptors by polydeoxyribonucleotide increases vascular endothelial growth factor and protects against testicular damage induced by experimental varicocele in rats. <i>Fertility and Sterility</i> , 2011, 95, 1510-1513.	1.0	30

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37	The Combination of <i>Serenoa Repens</i> , Selenium and Lycopene is More Effective Than <i>Serenoa Repens</i> Alone to Prevent Hormone Dependent Prostatic Growth. <i>Journal of Urology</i> , 2011, 186, 1524-1529.	0.4	30
38	Flavocoxid, a Natural Antioxidant, Protects Mouse Kidney from Cadmium-Induced Toxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-15.	4.0	30
39	Blockade of the JNK Signalling as a Rational Therapeutic Approach to Modulate the Early and Late Steps of the Inflammatory Cascade in Polymicrobial Sepsis. <i>Mediators of Inflammation</i> , 2015, 2015, 1-7.	3.0	29
40	The effects of recombinant human granulocyte-colony stimulating factor on vascular dysfunction and splanchnic ischaemia-reperfusion injury. <i>British Journal of Pharmacology</i> , 1997, 120, 333-339.	5.4	28
41	A Dual Inhibitor of Cyclooxygenase and 5-Lipoxygenase Protects Against Kainic Acid-Induced Brain Injury. <i>NeuroMolecular Medicine</i> , 2015, 17, 192-201.	3.4	28
42	LIPID PEROXIDATION INHIBITION BY RAXOFELAST IMPROVES ANGIOGENESIS AND WOUND HEALING IN EXPERIMENTAL BURN WOUNDS. <i>Shock</i> , 2005, 24, 85-91.	2.1	27
43	Levels of Heavy Metals in Adolescents Living in the Industrialised Area of Milazzo-Valle del Mela (Northern Sicily). <i>Journal of Environmental and Public Health</i> , 2014, 2014, 1-9.	0.9	27
44	Role of Inhibitors of Apoptosis Proteins in Testicular Function and Male Fertility: Effects of Polydeoxyribonucleotide Administration in Experimental Varicocele. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	25
45	Antioxidant Activity of U-83836E, A Second Generation Lazaroid, During Myocardial Ischemia/Reperfusion Injury. <i>Free Radical Research</i> , 1997, 27, 577-590.	3.3	24
46	Polydeoxyribonucleotide administration improves the intra-testicular vascularization in rat experimental varicocele. <i>Fertility and Sterility</i> , 2012, 97, 165-168.	1.0	23
47	Nutraceutical Effects of Lycopene in Experimental Varicocele: An <i>in Vivo</i> Model to Study Male Infertility. <i>Nutrients</i> , 2020, 12, 1536.	4.1	23
48	Role of Cytokines in Vitiligo: Pathogenesis and Possible Targets for Old and New Treatments. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11429.	4.1	23
49	Contribution of intercellular adhesion molecule 1 (ICAM-1) to the pathogenesis of splanchnic artery occlusion shock in the rat. <i>British Journal of Pharmacology</i> , 1994, 113, 912-916.	5.4	22
50	The Phytoestrogen β -Zearalenol Reverses Endothelial Dysfunction Induced by Oophorectomy in Rats. <i>Laboratory Investigation</i> , 2001, 81, 125-132.	3.7	21
51	The involvement of tumour necrosis factor- α in the protective effects of 17 β oestradiol in splanchnic ischaemia-reperfusion injury. <i>British Journal of Pharmacology</i> , 1997, 121, 1782-1788.	5.4	20
52	Protective Effects of Antioxidant Raxofelast in Alcohol-Induced Liver Disease in Mice. <i>Pharmacology</i> , 2005, 74, 6-14.	2.2	20
53	Exploiting Curcumin Synergy With Natural Products Using Quantitative Analysis of Dose-Effect Relationships in an Experimental In Vitro Model of Osteoarthritis. <i>Frontiers in Pharmacology</i> , 2019, 10, 1347.	3.5	19
54	Evidence for a role of mitogen-activated protein kinases in the treatment of experimental acute pancreatitis. <i>World Journal of Gastroenterology</i> , 2014, 20, 16535.	3.3	19

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55	CO ₂ pneumoperitoneum impact on early liver and lung cytokine expression in a rat model of abdominal sepsis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 984-989.	2.4	17
56	Cloricromene. <i>Cardiovascular Drug Reviews</i> , 1991, 9, 357-371.	4.1	16
57	Health Potential of Aloe vera against Oxidative Stress Induced Corneal Damage: An <i>in Vitro</i> Study. <i>Antioxidants</i> , 2021, 10, 318.	5.1	16
58	Inhibition of tumour necrosis factor and reversal of endotoxin-induced shock by U-83836E, a second generation™ lazaroïd in rats. <i>British Journal of Pharmacology</i> , 1998, 124, 1293-1299.	5.4	15
59	Raxofelast (IRFI 016): A New Hydrophilic Vitamin E-Like Antioxidant Agent. <i>Cardiovascular Drug Reviews</i> , 1997, 15, 157-173.	4.1	14
60	Tacrolimus suppresses tumour necrosis factor- α and protects against splanchnic artery occlusion shock. <i>British Journal of Pharmacology</i> , 1999, 127, 498-504.	5.4	14
61	Combined Treatment with Polynucleotides and Hyaluronic Acid Improves Tissue Repair in Experimental Colitis. <i>Biomedicines</i> , 2020, 8, 438.	3.2	14
62	PDRN, a natural bioactive compound, blunts inflammation and positively reprograms healing genes in an <i>in vitro</i> model of oral mucositis. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111538.	5.6	13
63	Use of a balanced dual cyclooxygenase-1/2 and 5-lypoxygenase inhibitor in experimental colitis. <i>European Journal of Pharmacology</i> , 2016, 789, 152-162.	3.5	12
64	Non-covalent immunoproteasome inhibitors induce cell cycle arrest in multiple myeloma MM.1R cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 1307-1313.	5.2	11
65	Protective effects of Cyclosporin-A in splanchnic artery occlusion shock. <i>British Journal of Pharmacology</i> , 2000, 130, 339-344.	5.4	10
66	Flavocoxid exerts a potent antiviral effect against hepatitis B virus. <i>Inflammation Research</i> , 2018, 67, 89-103.	4.0	10
67	Epoetin Alpha and Epoetin Zeta: A Comparative Study on Stimulation of Angiogenesis and Wound Repair in an Experimental Model of Burn Injury. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	9
68	Reduction of oxidative stress blunts the NLRP3 inflammatory cascade in LPS stimulated human gingival fibroblasts and oral mucosal epithelial cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 146, 112525.	5.6	9
69	Atherosclerosis Plaque Reduction by Lycopene Is Mediated by Increased Energy Expenditure through AMPK and PPAR α in ApoE KO Mice Fed with a High Fat Diet. <i>Biomolecules</i> , 2022, 12, 973.	4.0	9
70	Neuroprotective Effects of Polydeoxyribonucleotide in a Murine Model of Cadmium Toxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	4.0	8
71	CO ₂ Pneumoperitoneum Preserves β -Arrestin 2 Content and Reduces High Mobility Group Box-1 (HMGB-1) Expression in an Animal Model of Peritonitis. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-7.	4.0	6
72	MAO-A Inhibition by Metaxalone Reverts IL-1 β -Induced Inflammatory Phenotype in Microglial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8425.	4.1	6

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73	G 619: A Novel Dual Thromboxane Synthase Inhibitor and Thromboxane A2Receptor Antagonist. Cardiovascular Drug Reviews, 1993, 11, 116-125.	4.1	0
74	White-to-brown adipose differentiation: role of estrogen receptor beta and the isoflavone genistein. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR28-3.	0.0	0