

# Rossi Antonietta

## List of Publications by Year in descending order

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85  
papers

3,505  
citations

126907

33  
h-index

149698

56  
g-index

86  
all docs

86  
docs citations

86  
times ranked

5155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carrageenan-induced mouse paw oedema is biphasic, age-weight dependent and displays differential nitric oxide cyclooxygenase-2 expression. <i>British Journal of Pharmacology</i> , 2004, 142, 331-338.	5.4	336
2	5-Arylidene-2-imino-4-thiazolidinones: Design and synthesis of novel anti-inflammatory agents. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4243-4252.	3.0	246
3	ERK-mediated regulation of leukotriene biosynthesis by androgens: A molecular basis for gender differences in inflammation and asthma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19881-19886.	7.1	177
4	Protective Effects of Anthocyanins from Blackberry in a Rat Model of Acute Lung Inflammation. <i>Free Radical Research</i> , 2003, 37, 891-900.	3.3	150
5	Inhibition of nitric oxide biosynthesis by anthocyanin fraction of blackberry extract. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 15, 30-39.	2.7	140
6	Endogenous metabolites of vitamin E limit inflammation by targeting 5-lipoxygenase. <i>Nature Communications</i> , 2018, 9, 3834.	12.8	101
7	Myrtucommulone from <i>Myrtus communis</i> Exhibits Potent Anti-Inflammatory Effectiveness in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 76-86.	2.5	83
8	Arzanol, a prenylated heterodimeric phloroglucinyl pyrone, inhibits eicosanoid biosynthesis and exhibits anti-inflammatory efficacy in vivo. <i>Biochemical Pharmacology</i> , 2011, 81, 259-268.	4.4	81
9	Androgen-mediated sex bias impairs efficiency of leukotriene biosynthesis inhibitors in males. <i>Journal of Clinical Investigation</i> , 2017, 127, 3167-3176.	8.2	75
10	A class of pyrrole derivatives endowed with analgesic/anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3695-3701.	3.0	74
11	Structural Optimization and Biological Evaluation of 2-Substituted 5-Hydroxyindole-3-carboxylates as Potent Inhibitors of Human 5-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3474-3483.	6.4	67
12	Sex differences in prostaglandin biosynthesis in neutrophils during acute inflammation. <i>Scientific Reports</i> , 2017, 7, 3759.	3.3	65
13	Hyperforin, an Anti-Inflammatory Constituent from St. John's Wort, Inhibits Microsomal Prostaglandin E2 Synthase-1 and Suppresses Prostaglandin E2 Formation in vivo. <i>Frontiers in Pharmacology</i> , 2011, 2, 7.	3.5	62
14	Hydrogen Sulfide-Induced Dual Vascular Effect Involves Arachidonic Acid Cascade in Rat Mesenteric Arterial Bed. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 337, 59-64.	2.5	61
15	Hyperforin is a novel type of 5-lipoxygenase inhibitor with high efficacy in vivo. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2759-2771.	5.4	60
16	Cyclooxygenase-2 Inhibitors. 1,5-Diarylpyrrol-3-acetic Esters with Enhanced Inhibitory Activity toward Cyclooxygenase-2 and Improved Cyclooxygenase-2/Cyclooxygenase-1 Selectivity. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5403-5411.	6.4	56
17	Reduction of the multiple organ injury and dysfunction caused by endotoxemia in 5-lipoxygenase knockout mice and by the 5-lipoxygenase inhibitor zileuton. <i>Journal of Leukocyte Biology</i> , 2004, 76, 961-970.	3.3	55
18	Discovery of benzo[g]indol-3-carboxylates as potent inhibitors of microsomal prostaglandin E2 synthase-1. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7924-7932.	3.0	55

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19	SAR Studies on Curcuminâ€™s Pro-inflammatory Targets: Discovery of Prenylated Pyrazolocurcuminoids as Potent and Selective Novel Inhibitors of 5-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5638-5648.	6.4	53
20	The role of the phenethyl ester of caffeic acid (CAPE) in the inhibition of rat lung cyclooxygenase activity by propolis. <i>FÄ-toterapÄ-c</i> , 2002, 73, S30-S37.	2.2	52
21	5-Lipoxygenase modulates colitis through the regulation of adhesion molecule expression and neutrophil migration. <i>Laboratory Investigation</i> , 2005, 85, 808-822.	3.7	52
22	Synthesis, Biological Evaluation, and Enzyme Docking Simulations of 1,5-Diarylpyrrole-3-Alkoxyethyl Ethers as Selective Cyclooxygenase-2 Inhibitors Endowed with Anti-inflammatory and Antinociceptive Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4476-4481.	6.4	50
23	The Molecular Pharmacology and In Vivo Activity of 2-(4-Chloro-6-(2,3-dimethylphenylamino)pyrimidin-2-ylthio)octanoic acid (YS121), a Dual Inhibitor of Microsomal Prostaglandin E <sub>2</sub> Synthase-1 and 5-Lipoxygenase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 840-848.	2.5	49
24	Staphylococcus aureus-Derived Î±-Hemolysin Evokes Generation of Specialized Pro-resolving Mediators Promoting Inflammation Resolution. <i>Cell Reports</i> , 2020, 33, 108247.	6.4	47
25	1,5-Diarylpyrrole-3-acetic Acids and Esters as Novel Classes of Potent and Highly Selective Cyclooxygenase-2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3428-3432.	6.4	44
26	In vivo sex differences in leukotriene biosynthesis in zymosan-induced peritonitis. <i>Pharmacological Research</i> , 2014, 87, 1-7.	7.1	44
27	Novel Ester and Acid Derivatives of the 1,5-Diarylpyrrole Scaffold as Anti-Inflammatory and Analgesic Agents. Synthesis and in Vitro and in Vivo Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 723-733.	6.4	43
28	Novel Analgesic/Anti-Inflammatory Agents: 1,5-Diarylpyrrole Nitrooxyalkyl Ethers and Related Compounds as Cyclooxygenase-2 Inhibiting Nitric Oxide Donors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3191-3206.	6.4	43
29	Novel Analgesic/Anti-Inflammatory Agents: Diarylpyrrole Acetic Esters Endowed with Nitric Oxide Releasing Properties. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7759-7771.	6.4	42
30	BRP-187: A potent inhibitor of leukotriene biosynthesis that acts through impeding the dynamic 5-lipoxygenase/5-lipoxygenase-activating protein (FLAP) complex assembly. <i>Biochemical Pharmacology</i> , 2016, 119, 17-26.	4.4	36
31	Pharmacological profile and efficiency in vivo of diflapolin, the first dual inhibitor of 5-lipoxygenase-activating protein and soluble epoxide hydrolase. <i>Scientific Reports</i> , 2017, 7, 9398.	3.3	36
32	Palmitoylethanolamide Supplementation during Sensitization Prevents Airway Allergic Symptoms in the Mouse. <i>Frontiers in Pharmacology</i> , 2017, 8, 857.	3.5	35
33	Inhibition of Inducible Nitric Oxide Synthase Expression by an Acetonic Extract from Feijoa sellowiana Berg. Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5053-5061.	5.2	34
34	Pyrrrolidine dithiocarbamate attenuates the development of organ failure induced by zymosan in mice. <i>Intensive Care Medicine</i> , 2003, 29, 2016-2025.	8.2	33
35	5-lipoxygenase knockout mice exhibit a resistance to acute pancreatitis induced by cerulein. <i>Immunology</i> , 2003, 110, 120-130.	4.4	32
36	Effect of Anthocyanins Contained in a Blackberry Extract on the Circulatory Failure and Multiple Organ Dysfunction Caused by Endotoxin in the Rat. <i>Planta Medica</i> , 2004, 70, 745-752.	1.3	32

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37	5-Lipoxygenase knockout mice exhibit a resistance to pleurisy and lung injury caused by carrageenan. <i>Journal of Leukocyte Biology</i> , 2003, 73, 739-746.	3.3	31
38	Cinnamyl-3,4-Dihydroxy- $\beta$ -Cyanocinnamate Is a Potent Inhibitor of 5-Lipoxygenase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 205-213.	2.5	28
39	The novel Sinupret <sup>®</sup> dry extract exhibits anti-inflammatory effectiveness in vivo. <i>FÄ-toterapÄ-Ät</i> , 2012, 83, 715-720.	2.2	28
40	Salvinorin A Inhibits Airway Hyperreactivity Induced by Ovalbumin Sensitization. <i>Frontiers in Pharmacology</i> , 2017, 7, 525.	3.5	28
41	Synthesis and biological evaluation of fluorinated 1,5-diarylpyrrole-3-alkoxyethyl ether derivatives as selective COX-2 inhibitors endowed with anti-inflammatory activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 109, 99-106.	5.5	27
42	Involvement of 5-lipoxygenase in spinal cord injury. <i>Journal of Neuroimmunology</i> , 2005, 166, 55-64.	2.3	25
43	Hydrogen sulphide induces mouse paw oedema through activation of phospholipase A <sub>2</sub> . <i>British Journal of Pharmacology</i> , 2010, 161, 1835-1842.	5.4	25
44	Enhancing the pharmacodynamic profile of a class of selective COX-2 inhibiting nitric oxide donors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 772-786.	3.0	25
45	The hallucinogenic diterpene salvinorin A inhibits leukotriene synthesis in experimental models of inflammation. <i>Pharmacological Research</i> , 2016, 106, 64-71.	7.1	25
46	Optimization of benzoquinone and hydroquinone derivatives as potent inhibitors of human 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 715-726.	5.5	25
47	Vacuolar (H <sup>+</sup> )-ATPase Critically Regulates Specialized Proresolving Mediator Pathways in Human M2-like Monocyte-Derived Macrophages and Has a Crucial Role in Resolution of Inflammation. <i>Journal of Immunology</i> , 2019, 203, 1031-1043.	0.8	24
48	Role of 5-lipoxygenase in the multiple organ failure induced by zymosan. <i>Intensive Care Medicine</i> , 2004, 30, 1935-1943.	8.2	23
49	Gliotoxin from <i>Aspergillus fumigatus</i> Abrogates Leukotriene B <sub>4</sub> Formation through Inhibition of Leukotriene A <sub>4</sub> Hydrolase. <i>Cell Chemical Biology</i> , 2019, 26, 524-534.e5.	5.2	22
50	Synthesis, biological evaluation and molecular modeling of novel selective COX-2 inhibitors: sulfide, sulfoxide, and sulfone derivatives of 1,5-diarylpyrrol-3-substituted scaffold. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115045.	3.0	21
51	Disodium cromoglycate inhibits asthma-like features induced by sphingosine-1-phosphate. <i>Pharmacological Research</i> , 2016, 113, 626-635.	7.1	20
52	Vitamin A regulates Akt signaling through the phospholipid fatty acid composition. <i>FASEB Journal</i> , 2017, 31, 4458-4471.	0.5	20
53	Novel benzoxanthene lignans that favorably modulate lipid mediator biosynthesis: A promising pharmacological strategy for anti-inflammatory therapy. <i>Biochemical Pharmacology</i> , 2019, 165, 263-274.	4.4	20
54	Leukotriene-mediated sex dimorphism in murine asthma-like features during allergen sensitization. <i>Pharmacological Research</i> , 2019, 139, 182-190.	7.1	20

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55	Anti-inflammatory celestrol promotes a switch from leukotriene biosynthesis to formation of specialized pro-resolving lipid mediators. <i>Pharmacological Research</i> , 2021, 167, 105556.	7.1	19
56	A vitamin E long-chain metabolite and the inspired drug candidate $\hat{\pm}$ -amplexichromanol relieve asthma features in an experimental model of allergen sensitization. <i>Pharmacological Research</i> , 2022, 181, 106250.	7.1	19
57	Up-regulation of prostaglandin biosynthesis by leukotriene C4 in elicited mice peritoneal macrophages activated with lipopolysaccharide/interferon- $\hat{\beta}$ . <i>Journal of Leukocyte Biology</i> , 2005, 78, 985-991.	3.3	18
58	Synthesis, in vitro, and in vivo biological evaluation and molecular docking simulations of chiral alcohol and ether derivatives of the 1,5-diarylpyrrole scaffold as novel anti-inflammatory and analgesic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8072-8081.	3.0	18
59	5-Lipoxygenase Knockout Mice Exhibit a Resistance to Splanchnic Artery Occlusion Shock. <i>Shock</i> , 2003, 20, 230-236.	2.1	16
60	Improving the solubility of a new class of antiinflammatory pharmacodynamic hybrids, that release nitric oxide and inhibit cyclooxygenase-2 isoenzyme. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 287-298.	5.5	16
61	Flow Synthesis and Biological Studies of an Analgesic Adamantane Derivative That Inhibits P2X <sub>7</sub> -Evoked Glutamate Release. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 704-709.	2.8	16
62	Toll-Like Receptor 4 Is Essential for the Expression of Sphingosine-1-Phosphate-Dependent Asthma-Like Disease in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 1336.	4.8	16
63	The standardized herbal combination BNO 2103 contained in Canephron $\hat{\text{A}}^{\text{N}}$ alleviates inflammatory pain in experimental cystitis and prostatitis. <i>Phytomedicine</i> , 2019, 60, 152987.	5.3	16
64	Discovery of a benzenesulfonamide-based dual inhibitor of microsomal prostaglandin E2 synthase-1 and 5-lipoxygenase that favorably modulates lipid mediator biosynthesis in inflammation. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 815-830.	5.5	15
65	Oxalomalate affects the inducible nitric oxide synthase expression and activity. <i>Life Sciences</i> , 2007, 80, 1282-1291.	4.3	14
66	Montelukast Improves Symptoms and Lung Function in Asthmatic Women Compared With Men. <i>Frontiers in Pharmacology</i> , 2019, 10, 1094.	3.5	14
67	Shifting the Biosynthesis of Leukotrienes Toward Specialized Pro-Resolving Mediators by the 5-Lipoxygenase-Activating Protein (FLAP) Antagonist BRP-201. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 911-925.	3.5	14
68	Involvement of Leukotriene Pathway in the Pathogenesis of Ischemia- Reperfusion Injury and Septic and Non-Septic Shock. <i>Current Vascular Pharmacology</i> , 2009, 7, 185-197.	1.7	13
69	The Role of 5-Lipoxygenase and Leukotrienes in Shock and Ischemia-Reperfusion Injury. <i>Scientific World Journal</i> , The, 2007, 7, 56-74.	2.1	12
70	Hydroethanolic Extract of <i>Prunus domestica</i> L.: Metabolite Profiling and In Vitro Modulation of Molecular Mechanisms Associated to Cardiometabolic Diseases. <i>Nutrients</i> , 2022, 14, 340.	4.1	12
71	Assessment of Debris-Flow Erosion and Deposit Areas by Morphometric Analysis and a GIS-Based Simplified Procedure: A Case Study of Paupisi in the Southern Apennines. <i>Sustainability</i> , 2019, 11, 2382.	3.2	11
72	5 $\hat{\pm}$ -dihydrotestosterone abrogates sex bias in asthma like features in the mouse. <i>Pharmacological Research</i> , 2020, 158, 104905.	7.1	11

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73	Myrtucommulone from <i>Myrtus communis</i> : Metabolism, Permeability, and Systemic Exposure in Rats. <i>Planta Medica</i> , 2012, 78, 1932-1938.	1.3	10
74	Use of Mometasone furoate in prolonged treatment of experimental spinal cord injury in mice: A comparative study of three different glucocorticoids. <i>Pharmacological Research</i> , 2015, 99, 316-328.	7.1	10
75	Evaluation of Dual 5-Lipoxygenase/Microsomal Prostaglandin E2 Synthase-1 Inhibitory Effect of Natural and Synthetic Acronychia-Type Isoprenylated Acetophenones. <i>Journal of Natural Products</i> , 2017, 80, 699-706.	3.0	10
76	Role of the endocannabinoid system in the control of mouse myometrium contractility during the menstrual cycle. <i>Biochemical Pharmacology</i> , 2017, 124, 83-93.	4.4	10
77	Regulation of prostaglandin generation in carrageenan-induced pleurisy by inducible nitric oxide synthase in knockout mice. <i>Life Sciences</i> , 2003, 72, 1199-1208.	4.3	8
78	AIM2/IL-1 $\beta$ /TGF- $\beta$ 2 Axis in PBMCs From Exacerbated Chronic Obstructive Pulmonary Disease (COPD) Patients Is Not Related to COX-2-Dependent Inflammatory Pathway. <i>Frontiers in Physiology</i> , 2019, 10, 1235.	2.8	8
79	From Vietnamese plants to a biflavonoid that relieves inflammation by triggering the lipid mediator class switch to resolution. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1629-1647.	12.0	7
80	Exploration of Long-Chain Vitamin E Metabolites for the Discovery of a Highly Potent, Orally Effective, and Metabolically Stable 5-LOX Inhibitor that Limits Inflammation. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11496-11526.	6.4	7
81	Ethoxy acetalated dextran-based nanocarriers accomplish efficient inhibition of leukotriene formation by a novel FLAP antagonist in human leukocytes and blood. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 1.	5.4	7
82	Ectonucleoside Triphosphate Diphosphohydrolase-1/CD39 Affects the Response to ADP of Female Rat Platelets. <i>Frontiers in Pharmacology</i> , 2019, 10, 1689.	3.5	6
83	Apolipoprotein A-I (ApoA-I) Mimetic Peptide P2a by Restoring Cholesterol Esterification Unmasks ApoA-I Anti-Inflammatory Endogenous Activity In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 716-722.	2.5	5
84	Sex Hormone-Dependent Lipid Mediator Formation in Male and Female Mice During Peritonitis. <i>Frontiers in Pharmacology</i> , 2021, 12, 818544.	3.5	5
85	Synthesis of 2-Methyl-3-indolylacetic Derivatives as Anti-Inflammatory Agents That Inhibit Preferentially Cyclooxygenase 1 without Gastric Damage. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7774-7780.	6.4	4