Anna Sparatore

List of Publications by Year
in descending order

92 papers	3,068 citations	126907 33 h-index	182427 51 g-index
99 all docs	99 docs citations	99 times ranked	3199 citing authors

#	Article	IF	Citations
1	Anti-inflammatory and gastrointestinal effects of a novel diclofenac derivative. Free Radical Biology and Medicine, 2007, 42, 706-719.	2.9	301
2	Pharmacological profile of a novel H2S-releasing aspirin. Free Radical Biology and Medicine, 2009, 46, 586-592.	2.9	121
3	Exogenous Hydrogen Sulfide Inhibits Superoxide Formation, NOX-1 Expression and Rac₁ Activity in Human Vascular Smooth Muscle Cells. Journal of Vascular Research, 2008, 45, 521-528.	1.4	101
4	Effects of Hydrogen Sulfide-releasing l-DOPA Derivatives on Glial Activation. Journal of Biological Chemistry, 2010, 285, 17318-17328.	3.4	99
5	H₂Sâ€donating sildenafil (ACS6) inhibits superoxide formation and gp91^{phox} expression in arterial endothelial cells: role of protein kinases A and G. British Journal of Pharmacology, 2008, 155, 984-994.	5.4	98
6	Hydrogen sulfideâ€releasing NSAIDs attenuate neuroinflammation induced by microglial and astrocytic activation. Glia, 2010, 58, 103-113.	4.9	92
7	Effect of hydrogen sulphideâ€donating sildenafil (ACS6) on erectile function and oxidative stress in rabbit isolated corpus cavernosum and in hypertensive rats. BJU International, 2009, 103, 1522-1529.	2.5	84
8	Effect of S-diclofenac, a novel hydrogen sulfide releasing derivative inhibit rat vascular smooth muscle cell proliferation. European Journal of Pharmacology, 2008, 594, 1-8.	3.5	76
9	Therapeutic potential of new hydrogen sulfide-releasing hybrids. Expert Review of Clinical Pharmacology, 2011, 4, 109-121.	3.1	73
10	Modulation of angiogenesis by dithiolethione-modified NSAIDs and valproic acid. British Journal of Pharmacology, 2007, 151, 142-151.	5.4	71
11	The hydrogen sulphideâ€releasing derivative of diclofenac protects against ischaemiaâ€“reperfusion injury in the isolated rabbit heart. British Journal of Pharmacology, 2008, 153, 100-109.	5.4	71
12	ACS67, a Hydrogen Sulfideâ€“Releasing Derivative of Latanoprost Acid, Attenuates Retinal Ischemia and Oxidative Stress to RGC-5 Cells in Culture. , 2010, 51, 284.		61
13	Antiviral activity of benzimidazole derivatives. III. Novel anti-CVB-5, anti-RSV and anti-Sb-1 agents. Bioorganic and Medicinal Chemistry, 2014, 22, 4893-4909.	3.0	61
14	Effect of S-diclofenac, a novel hydrogen sulfide releasing derivative, on carrageenan-induced hindpaw oedema formation in the rat. European Journal of Pharmacology, 2007, 569, 149-154.	3.5	60
15	Quinolizidinyl derivatives of bi- and tricyclic systems as potent inhibitors of acetyl- and butyrylcholinesterase with potential in Alzheimerâ€™s disease. European Journal of Medicinal Chemistry, 2011, 46, 2170-2184.	5.5	56
16	Therapeutic Effect of Hydrogen Sulfide-Releasing L-Dopa Derivative ACS84 on 6-OHDA-Induced Parkinsonâ€™s Disease Rat Model. PLoS ONE, 2013, 8, e60200.	2.5	56
17	4-Aminoquinoline quinolizidinyl- and quinolizidinylalkyl-derivatives with antimalarial activity. Bioorganic and Medicinal Chemistry, 2005, 13, 5338-5345.	3.0	54
18	TREATMENT WITH H2S-RELEASING DICLOFENAC PROTECTS MICE AGAINST ACUTE PANCREATITIS-ASSOCIATED LUNG INJURY. Shock, 2008, 29, 84-88.	2.1	50

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19	Modulation of thiol homeostasis induced by H2S-releasing aspirin. Free Radical Biology and Medicine, 2010, 48, 1263-1272.	2.9	47
20	Hydrogen Sulfideâ€“Releasing Aspirin Derivative ACS14 Exerts Strong Antithrombotic Effects In Vitro and In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2884-2891.	2.4	47
21	New prostaglandin derivative for glaucoma treatment. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1639-1642.	2.2	46
22	Activity of a new hydrogen sulfide-releasing aspirin (ACS14) on pathological cardiovascular alterations induced by glutathione depletion in rats. European Journal of Pharmacology, 2010, 648, 139-145.	3.5	45
23	Antimalarial activity of novel pyrrolizidinyl derivatives of 4-aminoquinoline. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3737-3740.	2.2	44
24	Novel amodiaquine congeners as potent antimalarial agents. Bioorganic and Medicinal Chemistry, 2008, 16, 6813-6823.	3.0	43
25	Dithiolethione compounds inhibit Akt signaling in human breast and lung cancer cells by increasing PP2A activity. Oncogene, 2009, 28, 3837-3846.	5.9	43
26	Effect of S-aspirin, a novel hydrogen-sulfide-releasing aspirin (ACS14), on atherosclerosis in apoE-deficient mice. European Journal of Pharmacology, 2012, 697, 106-116.	3.5	42
27	Multitarget Therapeutic Leads for Alzheimerâ€™s Disease: Quinolizidinyl Derivatives of Biâ€•and Tricyclic Systems as Dual Inhibitors of Cholinesterases and Î²â€Amyloid (AÎ²) Aggregation. ChemMedChem, 2015, 10, 1040-1053.	3.2	40
28	Dithiolethiones Inhibit NF-ÎºB Activity via Covalent Modification in Human Estrogen Receptorâ€“Negative Breast Cancer. Cancer Research, 2012, 72, 2394-2404.	0.9	39
29	H(2)S-Releasing Aspirin Protects against Aspirin-Induced Gastric Injury via Reducing Oxidative Stress. PLoS ONE, 2012, 7, e46301.	2.5	39
30	Plasmepsin II inhibition and antiplasmodial activity of Primaquineâ€“Statine `double-drugs'. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2931-2934.	2.2	38
31	Glutamate oxidative injury to RGC-5 cells in culture is necrostatin sensitive and blunted by a hydrogen sulfide (H2S)-releasing derivative of aspirin (ACS14). Neurochemistry International, 2012, 60, 365-378.	3.8	36
32	Dithiolethione modified valproate and diclofenac increase E-cadherin expression and decrease proliferation of non-small cell lung cancer cells. Lung Cancer, 2010, 68, 154-160.	2.0	35
33	Hydrogen sulphideâ€•releasing diclofenac derivatives inhibit breast cancerâ€•induced osteoclastogenesis in vitro and prevent osteolysis ex vivo. British Journal of Pharmacology, 2012, 165, 1914-1925.	5.4	34
34	Hydrogen Sulfide Inhibits Human Platelet Aggregation In Vitro in Part by Interfering Gap Junction Channels: Effects of ACS14, a Hydrogen Sulfide-releasing Aspirin. Heart Lung and Circulation, 2015, 24, 77-85.	0.4	34
35	New sulfurated derivatives of valproic acid with enhanced histone deacetylase inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1893-1897.	2.2	33
36	Benzimidazole derivatives endowed with potent antileishmanial activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 210-226.	5.2	33

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37	High Antiplasmodial Activity of Novel Plasmepsins I and II Inhibitors. Journal of Medicinal Chemistry, 2006, 49, 7440-7449.	6.4	31
38	Efficacy of Novel Acridine Derivatives in the Inhibition of hPrP90-231 Prion Protein Fragment Toxicity. Neurotoxicity Research, 2011, 19, 556-574.	2.7	31
39	Novel Dithiolethione-Modified Nonsteroidal Anti-Inflammatory Drugs in Human Hepatoma HepG2 and Colon LS180 Cells. Clinical Cancer Research, 2009, 15, 1964-1972.	7.0	28
40	S-diclofenac Protects against Doxorubicin-Induced Cardiomyopathy in Mice via Ameliorating Cardiac Gap Junction Remodeling. PLoS ONE, 2011, 6, e26441.	2.5	28
41	Synthesis and antiplasmodial activity of new heteroaryl derivatives of 7-chloro-4-aminoquinoline. Bioorganic and Medicinal Chemistry, 2012, 20, 5965-5979.	3.0	27
42	New histone deacetylase inhibitors as potential therapeutic tools for advanced prostate carcinoma. Journal of Cellular and Molecular Medicine, 2008, 12, 2457-2466.	3.6	26
43	ACS6, a Hydrogen sulfide-donating derivative of sildenafil, inhibits homocysteine-induced apoptosis by preservation of mitochondrial function. Medical Gas Research, 2011, 1, 20.	2.3	26
44	Organosulfur derivatives of the HDAC inhibitor valproic acid sensitize human lung cancer cell lines to apoptosis and to cisplatin cytotoxicity. Journal of Cellular Physiology, 2012, 227, 3389-3396.	4.1	24
45	Antimicrobial and cytotoxic arylazoenamines. Part III: Antiviral activity of selected classes of arylazoenamines. Bioorganic and Medicinal Chemistry, 2008, 16, 8447-8465.	3.0	23
46	Novel Antimalarial Aminoquinolines: Heme Binding and Effects on Normal or Plasmodium falciparum -Parasitized Human Erythrocytes. Antimicrobial Agents and Chemotherapy, 2009, 53, 4339-4344.	3.2	23
47	ACS84, a novel hydrogen sulfide-releasing compound, protects against amyloid Î²-induced cell cytotoxicity. Neurochemistry International, 2011, 58, 591-598.	3.8	23
48	Quinolizidinyl derivatives of 5,11-dihydro-6H-pyrido[2,3-b][1,4]benzodiazepin-6-one as ligands for muscarinic receptors. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 3031-3034.	2.2	20
49	H2S releasing aspirin protects amyloid beta induced cell toxicity in BV-2 microglial cells. Neuroscience, 2011, 193, 80-88.	2.3	20
50	Clofazimine analogs with antileishmanial and antiplasmodial activity. Bioorganic and Medicinal Chemistry, 2015, 23, 55-65.	3.0	20
51	Hydrogen sulfide releasing molecule MZe786 inhibits soluble Flt-1 and prevents preeclampsia in a refined RUPP mouse model. Redox Biology, 2021, 38, 101814.	9.0	20
52	Hydrogen Sulfide Releasing Aspirin, ACS14, Attenuates High Glucose-Induced Increased Methylglyoxal and Oxidative Stress in Cultured Vascular Smooth Muscle Cells. PLoS ONE, 2014, 9, e97315.	2.5	20
53	Anethole dithiolethione lowers the homocysteine and raises the glutathione levels in solid tissues and plasma of rats: A novel non-vitamin homocysteine-lowering agent. Biochemical Pharmacology, 2014, 89, 246-254.	4.4	18
54	New aryldithiolethione derivatives as potent histone deacetylase inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 4187-4194.	3.0	17

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55	Antiviral activity of benzotriazole derivatives. 5-[4-(Benzotriazol-2-yl)phenoxy]-2,2-dimethylpentanoic acids potently and selectively inhibit Coxsackie Virus B5. Bioorganic and Medicinal Chemistry, 2015, 23, 7024-7034.	3.0	17
56	Atovaquoneâ€Statine â€œDoubleâ€Drugsâ€•with High Antiplasmodial Activity. ChemMedChem, 2008, 3, 418-420	3.2	16
57	Role of Paraoxonase-1 in the Protection of Hydrogen Sulfide-Donating Sildenafil (ACS6) Against Homocysteine-Induced Neurotoxicity. Journal of Molecular Neuroscience, 2013, 50, 70-77.	2.3	16
58	Novel Sigma Binding Site Ligands as Inhibitors of Cell Proliferation in Breast Cancer. Oncology Research, 2003, 13, 455-461.	1.5	15
59	Synthesis and Antiplasmodial Activity of Novel Chloroquine Analogues with Bulky Basic Side Chains. ChemMedChem, 2015, 10, 1570-1583.	3.2	15
60	Combined administration of a small-molecule inhibitor of TRAF6 and Docetaxel reduces breast cancer skeletal metastasis and osteolysis. Cancer Letters, 2020, 488, 27-39.	7.2	15
61	MZe786, a hydrogen sulfide-releasing aspirin prevents preeclampsia in heme oxygenase-1 haplodeficient pregnancy under high soluble flt-1 environment. Redox Biology, 2021, 38, 101768.	9.0	14
62	Design, Synthesis and In Vitro Investigation of Novel Basic Celastrol Carboxamides as Bio-Inspired Leishmanicidal Agents Endowed with Inhibitory Activity against Leishmania Hsp90. Biomolecules, 2021, 11, 56.	4.0	14
63	Novel Quinolizidinyl Derivatives as Antiarrhythmic Agents: 2. Further Investigation. Journal of Medicinal Chemistry, 2010, 53, 4668-4677.	6.4	12
64	Synthesis and evaluation of the antiplasmodial activity of novel indeno[2,1-c]quinoline derivatives. Bioorganic and Medicinal Chemistry, 2014, 22, 5757-5765.	3.0	12
65	In Vivo and In Vitro Activities and ADME-Tox Profile of a Quinolizidine-Modified 4-Aminoquinoline: A Potent Anti-P. falciparum and Anti-P. vivax Blood-Stage Antimalarial. Molecules, 2017, 22, 2102.	3.8	12
66	MZe786 Rescues Cardiac Mitochondrial Activity in High sFlt-1 and Low HO-1 Environment. Antioxidants, 2020, 9, 598.	5.1	12
67	Synthesis and preliminary pharmacological investigation of some 2-[4-(dialkylaminoalkoxy) phenyl] benzotriazoles and their N-oxides. Il Farmaco, 1998, 53, 102-112.	0.9	11
68	Synthesis and comparison of antiplasmodial activity of (+), (â^') and racemic 7-chloro-4-(N-lupinyl)aminoquinoline. Bioorganic and Medicinal Chemistry, 2012, 20, 5980-5985.	3.0	11
69	Superior Properties of N-Acetylcysteine Ethyl Ester over N-Acetyl Cysteine to Prevent Retinal Pigment Epithelial Cells Oxidative Damage. International Journal of Molecular Sciences, 2021, 22, 600.	4.1	11
70	Synthesis, antimalarial activity, and cellular toxicity of new arylpyrrolylaminoquinolines. Bioorganic and Medicinal Chemistry, 2010, 18, 6625-6633.	3.0	10
71	The new H₂S-releasing compound ACS94 exerts protective effects through the modulation of thiol homoeostasis. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1392-1404.	5.2	10
72	1-(Arylalkyl)quinolizidine Derivatives and Thio-Isosteric Analogues as Ligands for Sigma Receptors. Helvetica Chimica Acta, 2004, 87, 580-591.	1.6	9

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73	[4-(2H-1,2,3-Benzotriazol-2-yl)phenoxy]alkanoic Acids as Agonists of Peroxisome Proliferator-Activated Receptors (PPARs). Chemistry and Biodiversity, 2006, 3, 385-395.	2.1	9
74	Optimization of the clofazimine structure leads to a highly water-soluble C3-aminopyridinyl riminophenazine endowed with improved anti-Wnt and anti-cancer activity inÂvitro and inÂvivo. European Journal of Medicinal Chemistry, 2021, 222, 113562.	5.5	9
75	Epimerization of Lupinine to Epilupinine andvice versa. Reexamination of the Structures of Lupinal and Epilupinal. Helvetica Chimica Acta, 2005, 88, 245-251.	1.6	8
76	Targeting the Plasmepsin 4 Orthologs of Plasmodium sp. with “Double Drug” Inhibitors. Protein and Peptide Letters, 2008, 15, 868-873.	0.9	8
77	Methanethiosulfonate derivatives as ligands of the STAT3-SH2 domain. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 337-344.	5.2	8
78	New sulfurated derivatives of cinnamic acids and rosmaricine as inhibitors of STAT3 and NF-ÎºB transcription factors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1012-1028.	5.2	8
79	Antitubercular activity of quinolizidinyl/pyrrolizidinylalkyliminophenazines. Bioorganic and Medicinal Chemistry, 2014, 22, 6837-6845.	3.0	7
80	Novel Hydrophilic Riminophenazines as Potent Antiprotozoal Agents. ChemMedChem, 2019, 14, 1940-1949.	3.2	7
81	Quinolizidine-Derived Lucanthone and Amitriptyline Analogues Endowed with Potent Antileishmanial Activity. Pharmaceuticals, 2020, 13, 339.	3.8	7
82	Quinolizidinyl derivatives of 2,3-dihydro-2-oxo-1H-benzimidazole-1-carboxylic acid and 1-homolupinanoyl benzimidazolones as ligands for 5-HT3 and 5-HT4 receptors. Il Farmaco, 1999, 54, 248-254.	0.9	6
83	Synthesis and pharmacological investigation of 9-methyl-1,2,3,4,6,7,12,12b-octahydro-7-oxo-indolo[2,3-a]quinolizine. Il Farmaco, 1999, 54, 479-485.	0.9	5
84	N-Homolupinanoyl and N-(ï‰-lupinylthio)alkanoyl derivatives of some tricyclic systems as ligands for muscarinic M1 and M2 receptor subtypes. Il Farmaco, 2003, 58, 669-676.	0.9	5
85	2-{4-[3-(4-Aryl/heteroaryl-1-piperazinyl)propoxy]phenyl}-2H-benzotriazoles and their N-oxides as ligands for serotonin and dopamine receptors. Il Farmaco, 1999, 54, 402-410.	0.9	4
86	2-(4-R-Phenoxy/phenylthio)alkanoic esters of l-lupinine. Il Farmaco, 2001, 56, 169-174.	0.9	4
87	Field desorption mass spectrometry, fast atom bombardment mass spectrometry and fast atom bombardment tandem mass spectrometry of echinacoside, the main caffeoyl-glycoside fromEchinacea angustifolia roots (Asteraceae). Organic Mass Spectrometry, 1991, 26, 951-955.	1.3	3
88	Effects of some rigid analogues of imipramine and amitriptyline on the uptake of noradrenaline, serotonin and choline in rat brain synaptosomes. Pharmacological Research Communications, 1982, 14, 257-265.	0.2	2
89	Synthesis of new dithiolethione and methanethiosulfonate systems endowed with pharmaceutical interest. Arkivoc, 2017, 2017, 235-250.	0.5	2
90	Anti-inflammatory, but not osteoprotective, effect of the TRAF6/CD40 inhibitor 6877002 in rodent models of local and systemic osteolysis. Biochemical Pharmacology, 2022, 195, 114869.	4.4	2

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91	Detection and mass spectrometric characterization of the major urinary and fecal metabolites of 9-methyl-1,2,3,4,6,7,12,12b-octahydroindolo[2,3-a]-quinolizine in the rat. European Journal of Drug Metabolism and Pharmacokinetics, 1995, 20, 135-144.	1.6	1
92	Reply to Savolainen: High Toxicity of Hydrogen Sulfide by the Inhibition of Mitochondrial Respiration. Journal of Biological Chemistry, 2010, 285, le10.	3.4	0