Antonio Di Stefano

List of Publications by Year
in descending order

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111 papers	3,058 citations	136885 32 h-index	206029 48 g-index
111 all docs	111 docs citations	111 times ranked	4208 citing authors

#	Article	IF	Citations
1	Dopaminergic system modulation, behavioral changes, and oxidative stress after neonatal administration of pyrethroids. Toxicology, 2007, 229, 194-205.	2.0	153
2	Potential Antibacterial Activity of Carvacrol-Loaded Poly(DL-lactide-co-glycolide) (PLGA) Nanoparticles against Microbial Biofilm. International Journal of Molecular Sciences, 2011, 12, 5039-5051.	1.8	139
3	Carvacrol and its derivatives as antibacterial agents. Phytochemistry Reviews, 2018, 17, 903-921.	3.1	115
4	Solid lipid nanoparticles as a drug delivery system for the treatment of neurodegenerative diseases. Expert Opinion on Drug Delivery, 2016, 13, 1121-1131.	2.4	99
5	Prodrug Approach for Increasing Cellular Glutathione Levels. Molecules, 2010, 15, 1242-1264.	1.7	96
6	Drug delivery strategies for Alzheimer's disease treatment. Expert Opinion on Drug Delivery, 2011, 8, 581-603.	2.4	79
7	Effects of early life permethrin exposure on spatial working memory and on monoamine levels in different brain areas of pre-senescent rats. Toxicology, 2013, 303, 162-168.	2.0	74
8	L-Dopaâˆ' and Dopamineâˆ'(R)-Î±-Lipoic Acid Conjugates as Multifunctional Codrugs with Antioxidant Properties. Journal of Medicinal Chemistry, 2006, 49, 1486-1493.	2.9	72
9	Synthesis and Study ofl-Dopaâˆ'Glutathione Codrugs as New Anti-Parkinson Agents with Free Radical Scavenging Properties. Journal of Medicinal Chemistry, 2007, 50, 2506-2515.	2.9	63
10	Solid lipid nanoparticles loaded with lipoylâ€"memantine codrug: Preparation and characterization. International Journal of Pharmaceutics, 2015, 485, 183-191.	2.6	60
11	Memantine-sulfur containing antioxidant conjugates as potential prodrugs to improve the treatment of Alzheimerâ€™s disease. European Journal of Pharmaceutical Sciences, 2013, 49, 187-198.	1.9	58
12	Codrugs Linking <scp>l</scp>-Dopa and Sulfur-Containing Antioxidants: New Pharmacological Tools against Parkinsonâ€™s Disease. Journal of Medicinal Chemistry, 2009, 52, 559-563.	2.9	55
13	New drug delivery strategies for improved Parkinson's disease therapy. Expert Opinion on Drug Delivery, 2009, 6, 389-404.	2.4	53
14	Evaluation of cytotoxic, oxidative stress and genotoxic responses of hydroxyapatite nanoparticles on human blood cells. Journal of Applied Toxicology, 2014, 34, 373-379.	1.4	53
15	Evaluation of rat striatal l-dopa and DA concentration after intraperitoneal administration of l-dopa prodrugs in liposomal formulations. Journal of Controlled Release, 2004, 99, 293-300.	4.8	51
16	Role of Dietary Supplements in the Management of Parkinsonâ€™s Disease. Biomolecules, 2019, 9, 271.	1.8	51
17	Carvacrol Codrugs: A New Approach in the Antimicrobial Plan. PLoS ONE, 2015, 10, e0120937.	1.1	50
18	Viscoelastic properties of Staphylococcus aureus and Staphylococcus epidermidis monoâ€microbial biofilms. Microbial Biotechnology, 2009, 2, 634-641.	2.0	45

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19	Ibuprofen and Lipoic Acid Diamides as Potential Codrugs with Neuroprotective Activity. Archiv Der Pharmazie, 2010, 343, 133-142.	2.1	45
20	Efficacy of the Quorum Sensing Inhibitor FS10 Alone and in Combination with Tigecycline in an Animal Model of Staphylococcal Infected Wound. PLoS ONE, 2016, 11, e0151956.	1.1	45
21	Carvacrol prodrugs as novel antimicrobial agents. European Journal of Medicinal Chemistry, 2019, 178, 515-529.	2.6	45
22	Antiparkinson Prodrugs. Molecules, 2008, 13, 46-68.	1.7	44
23	Preparation and Pharmacological Characterization oftrans-2-Amino-5(6)-fluoro-6(5)-hydroxy-1-phenyl-2,3-dihydro-1H-indenes as D2-like Dopamine Receptor Agonists. Journal of Medicinal Chemistry, 2005, 48, 2646-2654.	2.9	43
24	Ibuprofen and Glutathione Conjugate as a Potential Therapeutic Agent for Treating Alzheimer's Disease. Archiv Der Pharmazie, 2011, 344, 139-148.	2.1	43
25	Effect of choline-containing phospholipids on brain cholinergic transporters in the rat. Journal of the Neurological Sciences, 2011, 302, 49-57.	0.3	40
26	(R)â€Î±â€Lipoylâ€Glycylâ€<scp>L</scp>â€Prolylâ€<scp>L</scp>â€Glutamyl Dimethyl Ester Codrug as a Multifunctional Agent with Potential Neuroprotective Activities. ChemMedChem, 2012, 7, 2021-2029.	1.6	39
27	Temporal expression ofagrB,cidA, andalsSin the early development ofStaphylococcus aureusUAMS-1 biofilm formation and the structural role of extracellular DNA and carbohydrates. Pathogens and Disease, 2014, 70, 414-422.	0.8	38
28	Synthesis of l-(+)-3-(3-hydroxy-4-pivaloyloxybenzyl)-2,5-diketomorpholine as potential prodrug of l-dopa. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1385-1388.	1.0	36
29	L-Dopa Prodrugs: An Overview of Trends for Improving Parkinsons Disease Treatment. Current Pharmaceutical Design, 2011, 17, 3482-3493.	0.9	36
30	Haloperidol metabolite II prodrug: Asymmetric synthesis and biological evaluation on rat C6 glioma cells. European Journal of Medicinal Chemistry, 2015, 90, 1-9.	2.6	35
31	Stimulation of human macrophages (THP-1) using Toll-like receptor-2 (TLR-2) agonist decorated nanocarriers. Journal of Drug Targeting, 2009, 17, 662-670.	2.1	33
32	Dimeric l-Dopa Derivatives as Potential Prodrugs. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1085-1088.	1.0	32
33	Maleic- and fumaric-diamides of (O,O-diacetyl)-L-Dopa-methylester as anti-Parkinson prodrugs in liposomal formulation. Journal of Drug Targeting, 2006, 14, 652-661.	2.1	32
34	A Glutathione Derivative with Chelating and in vitro Neuroprotective Activities: Synthesis, Physicochemical Properties, and Biological Evaluation. ChemMedChem, 2013, 8, 1818-1829.	1.6	32
35	Synthesis of a Novel Cyclic Prodrug of S-Allyl-glutathione Able To Attenuate LPS-Induced ROS Production through the Inhibition of MAPK Pathways in U937 Cells. Molecular Pharmaceutics, 2015, 12, 66-74.	2.3	32
36	Neuroprotective Effects of Farnesene Against Hydrogen Peroxide-Induced Neurotoxicity In vitro. Cellular and Molecular Neurobiology, 2014, 34, 101-111.	1.7	31

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37	Memantine-derived drugs as potential antitumor agents for the treatment of glioblastoma. European Journal of Pharmaceutical Sciences, 2017, 109, 402-411.	1.9	31
38	New Lâ€Dopa Codrugs as Potential Antiparkinson Agents. Archiv Der Pharmazie, 2008, 341, 412-417.	2.1	28
39	Neuroprotective effects of boron nitride nanoparticles in the experimental Parkinsonâ€™s disease model against MPP+ induced apoptosis. Metabolic Brain Disease, 2020, 35, 947-957.	1.4	28
40	Design, synthesis, and preliminary pharmacological evaluation of new imidazolinones as l-DOPA prodrugs. Bioorganic and Medicinal Chemistry, 2010, 18, 1834-1843.	1.4	27
41	Designing prodrugs for the treatment of Parkinson's disease. Expert Opinion on Drug Discovery, 2012, 7, 385-406.	2.5	27
42	Surfactant Hydrogels for the Dispersion of Carbonâ€Nanotubeâ€Based Catalysts. Chemistry - A European Journal, 2013, 19, 16415-16423.	1.7	27
43	Protective effects of cyclosativene on H2O2-induced injury in cultured rat primary cerebral cortex cells. Cytotechnology, 2015, 67, 299-309.	0.7	27
44	Novel NSAID-Derived Drugs for the Potential Treatment of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2016, 17, 1035.	1.8	26
45	Dysregulation in the Brain Protein Profile of Zebrafish Lacking the Parkinsonâ€™s Disease-Related Protein DJ-1. Molecular Neurobiology, 2019, 56, 8306-8322.	1.9	26
46	Ibuprofen and Lipoic Acid Conjugate Neuroprotective Activity Is Mediated by Ngb/Akt Intracellular Signaling Pathway in Alzheimer's Disease Rat Model. Gerontology, 2013, 59, 250-260.	1.4	25
47	The Risk Evaluation of Tungsten Oxide Nanoparticles in Cultured Rat Liver Cells for Its Safe Applications in Nanotechnology. Brazilian Archives of Biology and Technology, 2014, 57, 532-541.	0.5	24
48	Positive effect of an electrolyzed reduced water on gut permeability, fecal microbiota and liver in an animal model of Parkinsonâ€™s disease. PLoS ONE, 2019, 14, e0223238.	1.1	24
49	Choline pivaloyl esters improve in rats cognitive and memory performances impaired by scopolamine treatment or lesions of the nucleus basalis of Meynert. Neuroscience Letters, 2004, 356, 199-202.	1.0	23
50	Histidyl-Proline Diketopiperazine Isomers as Multipotent Anti-Alzheimer Drug Candidates. Biomolecules, 2020, 10, 737.	1.8	23
51	Natural oxyprenylated coumarins are modulators of melanogenesis. European Journal of Medicinal Chemistry, 2018, 152, 274-282.	2.6	22
52	Evaluation of In Vitro Capsaicin Release and Antimicrobial Properties of Topical Pharmaceutical Formulation. Biomolecules, 2021, 11, 432.	1.8	22
53	New Flurbiprofen Derivatives: Synthesis, Membrane Affinity and Evaluation of in Vitro Effect on Î²-Amyloid Levels. Molecules, 2013, 18, 10747-10767.	1.7	21
54	Nanotherapeutics for anti-inflammatory delivery. Journal of Drug Delivery Science and Technology, 2016, 32, 174-191.	1.4	21

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55	(R)-Î±-Lipoyl-Gly-l-Pro-l-Glu dimethyl ester as dual acting agent for the treatment of Alzheimer's disease. Neuropeptides, 2017, 66, 52-58.	0.9	21
56	CNS delivery of l-dopa by a new hybrid glutathioneâ€“methionine peptidomimetic prodrug. Amino Acids, 2012, 42, 261-269.	1.2	20
57	L-dopa co-drugs in nanostructured lipid carriers: A comparative study. Materials Science and Engineering C, 2017, 72, 168-176.	3.8	20
58	RNAIII Inhibiting Peptide (RIP) and Derivatives as Potential Tools for the Treatment of S. aureus Biofilm Infections. Current Topics in Medicinal Chemistry, 2019, 18, 2068-2079.	1.0	20
59	Binding and Preliminary Evaluation of 5-Hydroxy- and 10-Hydroxy-2,3,12,12a-tetrahydro-1H-[1]benzoxepino[2,3,4-ij]isoquinolines as Dopamine Receptor Ligands. Journal of Medicinal Chemistry, 2000, 43, 599-608.	2.9	19
60	Synthesis and pharmacological characterization of 2-(4-chloro-3-hydroxyphenyl)ethylamine and N,N-dialkyl derivatives as dopamine receptor ligands. Journal of Medicinal Chemistry, 1992, 35, 4408-4414.	2.9	17
61	Epigenetic Memory of Early-Life Parental Perturbation: Dopamine Decrease and DNA Methylation Changes in Offspring. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	1.9	17
62	Nanoencapsulation strategies for the delivery of novel bifunctional antioxidant/Ïƒ1 selective ligands. Colloids and Surfaces B: Biointerfaces, 2017, 155, 238-247.	2.5	16
63	Novel anti-Alzheimer phenol-lipoyl hybrids: Synthesis, physico-chemical characterization, and biological evaluation. European Journal of Medicinal Chemistry, 2020, 186, 111880.	2.6	16
64	Î¨(SO2NH) transition state isosteres of peptides. Synthesis and bioactivity of sulfonamido pseudopeptides related to carnosine. Il Farmaco, 1999, 54, 673-677.	0.9	14
65	Prolineâ€“Glutamate Chimeras in Isopeptides. Synthesis and Biological Evaluation of Conformationally Restricted Glutathione Analogues. Bioorganic and Medicinal Chemistry, 2003, 11, 1677-1683.	1.4	14
66	Evidence for a Dopamine Intrinsic Direct Role in the Regulation of the Ovary Reproductive Function: In Vitro Study on Rabbit Corpora Lutea. PLoS ONE, 2014, 9, e104797.	1.1	14
67	Synthesis, Resolution, and Preliminary Evaluation oftrans-2-Amino-6(5)-hydroxy-1-phenyl-2,3-dihydro-1H-indenes and Related Derivatives as Dopamine Receptors Ligands. Journal of Medicinal Chemistry, 1996, 39, 4238-4246.	2.9	13
68	Singleâ€Walled Carbon Nanotubes in Highly Viscous Media: A Comparison between the Dispersive Agents [BMIM][BF₄], L121, and Triton Xâ€100. Chemistry - A European Journal, 2016, 22, 546-549.	1.7	13
69	Development of glycine-Î±-methyl-proline-containing tripeptides with neuroprotective properties. European Journal of Medicinal Chemistry, 2016, 108, 553-563.	2.6	13
70	Advances in prodrug design for Parkinsonâ€™s disease. Expert Opinion on Drug Discovery, 2018, 13, 295-305.	2.5	13
71	Graphene Oxide increases mammalian spermatozoa fertilizing ability by extracting cholesterol from their membranes and promoting capacitation. Scientific Reports, 2019, 9, 8155.	1.6	13
72	Characterization of alkanoyl-10-O-minocyclines in micellar dispersions as potential agents for treatment of human neurodegenerative disorders. European Journal of Pharmaceutical Sciences, 2008, 34, 118-128.	1.9	12

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73	Novel imidazoline compounds as partial or full agonists of D2-like dopamine receptors inspired by I2-imidazoline binding sites ligand 2-BFI. Bioorganic and Medicinal Chemistry, 2010, 18, 7085-7091.	1.4	12
74	HPLCâ€“FLD and spectrofluorometer apparatus: How to best detect fluorescent probe-loaded niosomes in biological samples. Colloids and Surfaces B: Biointerfaces, 2015, 135, 575-580.	2.5	12
75	Antifungal Activity of Novel Formulations Based on Terpenoid Prodrugs against C. albicans in a Mouse Model. Pharmaceutics, 2021, 13, 633.	2.0	12
76	Synthesis and Biological Evaluation of Novel Cinnamic Acid-Based Antimicrobials. Pharmaceuticals, 2022, 15, 228.	1.7	12
77	Lipid nanocarriers containing a levodopa prodrug with potential antiparkinsonian activity. Materials Science and Engineering C, 2015, 48, 294-300.	3.8	11
78	Modulation of Monoaminergic Transporters by Choline-Containing Phospholipids in Rat Brain. CNS and Neurological Disorders - Drug Targets, 2013, 12, 94-103.	0.8	10
79	Synthesis and biological evaluation of novel analogues of Gly-l-Pro-l-Glu (GPE) as neuroprotective agents. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 194-198.	1.0	10
80	Synthesis and biological evaluation of GABA derivatives able to cross the bloodâ€“Brain barrier in rats. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3765-3769.	1.0	9
81	Effect of 17Î²-estradiol on striatal dopaminergic transmission induced by permethrin in early childhood rats. Chemosphere, 2014, 112, 496-502.	4.2	9
82	Health risk assessments of lithium titanate nanoparticles in rat liver cell model for its safe applications in nanopharmacology and nanomedicine. Cytotechnology, 2016, 68, 291-302.	0.7	9
83	Chelating and antioxidant properties of l-Dopa containing tetrapeptide for the treatment of neurodegenerative diseases. Neuropeptides, 2018, 71, 11-20.	0.9	9
84	Carvacrol Prodrugs with Antimicrobial Activity Loaded on Clay Nanocomposites. Materials, 2020, 13, 1793.	1.3	9
85	In Vitro Wound-Healing Properties of Water-Soluble Terpenoids Loaded on Halloysite Clay. Pharmaceutics, 2021, 13, 1117.	2.0	9
86	NOS-mediated morphological and molecular modifications in rats infused with AÎ² (1-40), as a model of Alzheimer's disease, in response to a new lipophilic molecular combination codrug-1. Experimental Gerontology, 2011, 46, 273-281.	1.2	8
87	Synthesis and Biological Evaluation of Novel Selenyl and Sulfur-l-Dopa Derivatives as Potential Anti-Parkinsonâ€™s Disease Agents. Biomolecules, 2019, 9, 239.	1.8	8
88	Viscoelastic behaviour of hyaluronic acid formulations containing carvacrol prodrugs with antibacterial properties. International Journal of Pharmaceutics, 2020, 582, 119306.	2.6	8
89	Glycyl-L-Prolyl-L-Glutamate Pseudotripeptides for Treatment of Alzheimerâ€™s Disease. Biomolecules, 2021, 11, 126.	1.8	8
90	Synthesis, Characterization and Evaluation of Gemfibrozil-Stilbene Hybrid as Antioxidant Agent. Letters in Drug Design and Discovery, 2018, 15, 1230-1238.	0.4	8

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91	Hepatic effects of yttrium oxide nanoflowers:in vitrorisk evaluation. Toxicological and Environmental Chemistry, 2015, 97, 599-608.	0.6	7
92	New bifunctional antioxidant/Ïƒ1 agonist ligands: Preliminary chemico-physical and biological evaluation. Bioorganic and Medicinal Chemistry, 2016, 24, 3149-3156.	1.4	7
93	Nano-delivery systems based on carvacrol prodrugs and fibrous clays. Journal of Drug Delivery Science and Technology, 2020, 58, 101815.	1.4	7
94	Potential Anticancer Effect of Carvacrol Codrugs on Human Glioblastoma Cells. Current Drug Delivery, 2021, 18, 350-356.	0.8	7
95	Synthesis and Antioxidant Properties of Novel Memantine Derivatives. Central Nervous System Agents in Medicinal Chemistry, 2017, 17, 123-128.	0.5	7
96	The investigation of cytogenetic and oxidative effects of diffractaic acid on human lymphocyte cultures. Brazilian Archives of Biology and Technology, 2015, 58, 75-81.	0.5	6
97	Modulation of Apoptotic Cell Death and Neuroprotective Effects of Glutathioneâ€"L-Dopa Codrug Against H2O2-Induced Cellular Toxicity. Antioxidants, 2019, 8, 319.	2.2	6
98	Effect of MRJF4 on C6 Glioma Cells Proliferation and Migration. Central Nervous System Agents in Medicinal Chemistry, 2017, 17, 129-134.	0.5	6
99	Advances in Parkinsonâ€™s Disease Drugs. Biomolecules, 2021, 11, 1640.	1.8	6
100	Synthesis and preliminary pharmacological evaluation of trans-2-amino-5(6)-chloro-6(5)-hydroxy-1-phenyl-2,3-dihydro-1H-indenes as dopamine receptor ligands. Il Farmaco, 2002, 57, 303-313.	0.9	5
101	Transition state isosteres of theÎ³-glutamyl peptide bond hydrolysis: synthesis and characterization of theÎ¨[CH2NH] pseudopeptide analogue of glutathione. Journal of Peptide Science, 2004, 10, 109-114.	0.8	5
102	Preparation and characterization of polymeric micelles loaded with a potential anticancer prodrug. Journal of Drug Delivery Science and Technology, 2016, 35, 24-29.	1.4	5
103	Nonpharmacological treatment options for Alzheimerâ€™s disease: from animal testing to clinical studies. Turkish Journal of Zoology, 2020, 44, 81-89.	0.4	5
104	Synthesis and preliminary pharmacological evaluation of 5-Hydroxy- and 5,6-dihydroxy-1,2,3,7,12,12a-hexahydrobenzo[5,6]cyclohepta[1,2,3-ij]isoquinoline derivatives as dopamine receptor ligands. Bioorganic and Medicinal Chemistry, 2001, 9, 1447-1458.	1.4	4
105	A Novel Prodrug of a nNOS Inhibitor with Improved Pharmacokinetic Potential. ChemMedChem, 2020, 15, 2157-2163.	1.6	4
106	Anticancer effects of novel NSAIDs derivatives on cultured human glioblastoma cells. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, 76, 329-335.	0.6	4
107	Simplified analogues of ritanserin and their affinity at 5-HT2A, 5-HT2B and 5-HT2C serotonin receptors. European Journal of Medicinal Chemistry, 1998, 33, 705-713.	2.6	3
108	Synthesis and biological evaluation of the disulfide form of the glutathione analogue Î³-(l-glutamyl)-l-cysteinyl-l-aspartyl-l-cysteine. Bioorganic Chemistry, 2003, 31, 109-121.	2.0	3

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109	Wound-Healing Promotion and Anti-Inflammatory Properties of Carvacrol Prodrugs/Hyaluronic Acid Formulations. Pharmaceutics, 2022, 14, 1468.	2.0	3
110	Editorial: Neurodegenerative Disorders: Synthesis, Drug Delivery Strategies and Biological Evaluation of New Therapeutic Agents. Central Nervous System Agents in Medicinal Chemistry, 2017, 17, 89.	0.5	1
111	Synthesis of Novel 4-Aryl-1,2,3,4-tetrahydroisoquinolines as Probes for Dopamine Receptor Ligands. Medicinal Chemistry, 2012, 8, 699-704.	0.7	0