

Anna Minarini

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93 papers	3,700 citations	29 h-index	58 g-index
99 ext. papers	4,060 ext. citations	5.7 avg, IF	4.8 L-index

#	Paper	IF	Citations
93	Novel, Potent, and Druglike Tetrahydroquinazoline Inhibitor That Is Highly Selective for Human Topoisomerase II α Over β <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12873-12886	8.3	4
92	Memantine Derivatives as Multitarget Agents in Alzheimer's Disease. <i>Molecules</i> , 2020 , 25,	4.8	8
91	Distinct biological responses of metastatic castration resistant prostate cancer cells upon exposure to G-quadruplex interacting naphthalenediimide derivatives. <i>European Journal of Medicinal Chemistry</i> , 2019 , 177, 401-413	6.8	12
90	Exploring the activity of polyamine analogues on polyamine and spermine oxidase: methoctramine, a potent and selective inhibitor of polyamine oxidase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 740-752	5.6	2
89	Lights and shadows of electrophile signaling: focus on the Nrf2-Keap1 pathway. <i>Future Medicinal Chemistry</i> , 2019 , 11, 707-721	4.1	7
88	Benextramine and derivatives as novel human monoamine oxidases inhibitors: an integrated approach. <i>FEBS Journal</i> , 2019 , 286, 4995-5015	5.7	3
87	Merging memantine and ferulic acid to probe connections between NMDA receptors, oxidative stress and amyloid- β peptide in Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2019 , 180, 111-120	6.8	22
86	Novel polyamine-based Histone deacetylases-Lysine demethylase 1 dual binding inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 1001-1004	2.9	12
85	Pharmacophore Hybridization To Discover Novel Topoisomerase II Poisons with Promising Antiproliferative Activity. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 1375-1379	8.3	23
84	Polyamine-containing etoposide derivatives as poisons of human type II topoisomerases: Differential effects on topoisomerase II α and II β <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 2961-2968	2.9	8
83	Naphthalene diimide-polyamine hybrids as antiproliferative agents: Focus on the architecture of the polyamine chains. <i>European Journal of Medicinal Chemistry</i> , 2017 , 128, 107-122	6.8	14
82	Targeting the Nrf2/Amyloid-Beta Liaison in Alzheimer's Disease: A Rational Approach. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1618-1627	5.7	23
81	Quinazoline based β -adrenoreceptor antagonists with potent antiproliferative activity in human prostate cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2017 , 136, 259-269	6.8	11
80	Novel Polyamine-Naphthalene Diimide Conjugates Targeting Histone Deacetylases and DNA for Cancer Phenotype Reprogramming. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1218-1223	4.3	11
79	Novel xanthone-polyamine conjugates as catalytic inhibitors of human topoisomerase II α <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 4687-4693	2.9	16
78	Multitarget drug design strategy in Alzheimer's disease: focus on cholinergic transmission and amyloid- β aggregation. <i>Future Medicinal Chemistry</i> , 2017 , 9, 953-963	4.1	16
77	Nature-Inspired Multifunctional Ligands: Focusing on Amyloid-Based Molecular Mechanisms of Alzheimer's Disease. <i>ChemMedChem</i> , 2016 , 11, 1309-17	3.7	19

76	In Vivo Characterization of ARN14140, a Memantine/Galantamine-Based Multi-Target Compound for Alzheimer's Disease. <i>Scientific Reports</i> , 2016 , 6, 33172	4.9	23
75	Multitarget strategies in Alzheimer's disease: benefits and challenges on the road to therapeutics. <i>Future Medicinal Chemistry</i> , 2016 , 8, 697-711	4.1	52
74	Combined inhibition of the EGFR/AKT pathways by a novel conjugate of quinazoline with isothiocyanate. <i>European Journal of Medicinal Chemistry</i> , 2016 , 117, 283-91	6.8	11
73	Polyamine Conjugation as a Promising Strategy To Target Amyloid Aggregation in the Framework of Alzheimer's Disease. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 1145-1150	4.3	11
72	An optimized polyamine moiety boosts the potency of human type II topoisomerase poisons as quantified by comparative analysis centered on the clinical candidate F14512. <i>Chemical Communications</i> , 2015 , 51, 14310-3	5.8	30
71	Tumor vascular targeted liposomal-bortezomib minimizes side effects and increases therapeutic activity in human neuroblastoma. <i>Journal of Controlled Release</i> , 2015 , 211, 44-52	11.7	40
70	Natural polyamines and synthetic analogs modify the growth and the morphology of <i>Pyrus communis</i> pollen tubes affecting ROS levels and causing cell death. <i>Plant Science</i> , 2015 , 239, 92-105	5.3	26
69	Macrocyclic naphthalene diimides as G-quadruplex binders. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 3819-30	3.4	28
68	Preparation, characterization and in vitro evaluation of sterically stabilized liposome containing a naphthalenediimide derivative as anticancer agent. <i>Drug Delivery</i> , 2015 , 22, 590-7	7	7
67	Study of the cytotoxic effects of the new synthetic Isothiocyanate CM9 and its fullerene derivative on human T-leukemia cells. <i>Toxins</i> , 2015 , 7, 535-52	4.9	6
66	Oxidative stress in Alzheimer's disease: are we connecting the dots?. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 2821-31	8.3	150
65	Multi-target design strategies in the context of Alzheimer's disease: acetylcholinesterase inhibition and NMDA receptor antagonism as the driving forces. <i>Neurochemical Research</i> , 2014 , 39, 1914-23	4.6	67
64	Isothiocyanate synthetic analogs: biological activities, structure-activity relationships and synthetic strategies. <i>Mini-Reviews in Medicinal Chemistry</i> , 2014 , 14, 963-77	3.2	15
63	Exploring the effects of isothiocyanates on chemotherapeutic drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2014 , 10, 25-38	5.5	17
62	Synthetic polyamines activating autophagy: effects on cancer cell death. <i>European Journal of Medicinal Chemistry</i> , 2013 , 67, 359-66	6.8	11
61	Novel polyamine analogues: from substrates towards potential inhibitors of monoamine oxidases. <i>European Journal of Medicinal Chemistry</i> , 2013 , 70, 88-101	6.8	12
60	Exploiting RNA as a new biomolecular target for synthetic polyamines. <i>Gene</i> , 2013 , 524, 232-40	3.8	5
59	In vitro and in vivo evaluation of polymethylene tetraamine derivatives as NMDA receptor channel blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 3901-4	2.9	5

58	Multifunctional tacrine derivatives in Alzheimer's disease. <i>Current Topics in Medicinal Chemistry</i> , 2013 , 13, 1771-86	3	71
57	Design, synthesis and biological evaluation of new naphthalene diimides bearing isothiocyanate functionality. <i>European Journal of Medicinal Chemistry</i> , 2012 , 48, 124-31	6.8	15
56	Synthetic polyamines as potential amine oxidase inhibitors: a preliminary study. <i>Amino Acids</i> , 2012 , 42, 913-28	3.5	12
55	Structure-activity relationships of novel substituted naphthalene diimides as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2012 , 57, 417-28	6.8	39
54	Synthesis of monomeric derivatives to probe memoquin's bivalent interactions. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 8299-304	8.3	22
53	Multitargeted drugs discovery: balancing anti-amyloid and anticholinesterase capacity in a single chemical entity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 2655-8	2.9	55
52	Multitarget-directed ligands: innovative chemical probes and therapeutic tools against Alzheimer's disease. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 2797-806	3	29
51	Tacrine derivatives and Alzheimer's disease. <i>Current Medicinal Chemistry</i> , 2010 , 17, 1825-38	4.3	180
50	Polyamine conjugation of curcumin analogues toward the discovery of mitochondria-directed neuroprotective agents. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 7264-8	8.3	32
49	Polyamines in drug discovery: from the universal template approach to the multitarget-directed ligand design strategy. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 5906-14	8.3	44
48	Synthetic polyamines: an overview of their multiple biological activities. <i>Amino Acids</i> , 2010 , 38, 383-92	3.5	20
47	Cytotoxicity of methoctramine and methoctramine-related polyamines. <i>Chemico-Biological Interactions</i> , 2009 , 181, 409-16	5	14
46	Alzheimer's disease: new approaches to drug discovery. <i>Current Opinion in Chemical Biology</i> , 2009 , 13, 303-8	9.7	100
45	Design, synthesis, and biological evaluation of substituted naphthalene imides and diimides as anticancer agent. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7873-7	8.3	48
44	MTDL design strategy in the context of Alzheimer's disease: from lipocrine to memoquin and beyond. <i>Current Pharmaceutical Design</i> , 2009 , 15, 601-13	3.3	64
43	Progress in acetylcholinesterase inhibitors for Alzheimer's disease: an update. <i>Expert Opinion on Therapeutic Patents</i> , 2008 , 18, 387-401	6.8	24
42	Structure-activity relationships of acetylcholinesterase noncovalent inhibitors based on a polyamine backbone. 4. Further investigation on the inner spacer. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 7308-12	8.3	52
41	Inhibition of acetylcholinesterase, beta-amyloid aggregation, and NMDA receptors in Alzheimer's disease: a promising direction for the multi-target-directed ligands gold rush. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 4381-4	8.3	170

40	Multi-target-directed ligands to combat neurodegenerative diseases. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 347-72	8.3	816
39	From dual binding site acetylcholinesterase inhibitors to multi-target-directed ligands (MTDLs): a step forward in the treatment of Alzheimer's disease. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008 , 8, 960-7	3.2	48
38	Design, synthesis, and biological evaluation of pirenzepine analogs bearing a 1,2-cyclohexanediamine and perhydroquinoxaline units in exchange for the piperazine ring as antimuscarinics. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 7311-20	3.4	5
37	Novel class of quinone-bearing polyamines as multi-target-directed ligands to combat Alzheimer's disease. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 4882-97	8.3	113
36	Structure-activity relationships of methoctramine-related polyamines as muscarinic antagonist: effect of replacing the inner polymethylene chain with cyclic moieties. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 2312-21	3.4	8
35	Recent advances in alpha1-adrenoreceptor antagonists as pharmacological tools and therapeutic agents. <i>Current Topics in Medicinal Chemistry</i> , 2007 , 7, 147-62	3	40
34	Recent advances in the design and synthesis of prazosin derivatives. <i>Expert Opinion on Drug Discovery</i> , 2006 , 1, 395-407	6.2	2
33	Lipoic acid, a lead structure for multi-target-directed drugs for neurodegeneration. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 1269-74	3.2	32
32	Progress in acetylcholinesterase inhibitors for Alzheimer's disease. <i>Expert Opinion on Therapeutic Patents</i> , 2006 , 16, 811-823	6.8	14
31	Rational approach to discover multipotent anti-Alzheimer drugs. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 360-3	8.3	206
30	LC determination of leuprolide component amino acids in injectable solution by phanquinone pre-column derivatization labelling procedure. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 1135-41	3.5	12
29	Heterocyclic inhibitors of AChE acylation and peripheral sites. <i>Il Farmaco</i> , 2005 , 60, 465-73		17
28	Methoctramine analogues inhibit responses to capsaicin and protons in rat dorsal root ganglion neurons. <i>European Journal of Pharmacology</i> , 2004 , 505, 37-50	5.3	14
27	Polyamines May Modulate Both G Protein-Coupled Receptors and G Proteins. <i>Medicinal Chemistry Research</i> , 2004 , 13, 63-73	2.2	1
26	Structure-activity relationships of acetylcholinesterase noncovalent inhibitors based on a polyamine backbone. 3. Effect of replacing the inner polymethylene chain with cyclic moieties. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 6490-8	8.3	29
25	Design, synthesis, and biological evaluation of conformationally restricted rivastigmine analogues. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 5945-52	8.3	108
24	Polymethylene tetraamine backbone as template for the development of biologically active polyamines. <i>Medicinal Research Reviews</i> , 2003 , 23, 200-33	14.4	19
23	Structure-activity relationships of acetylcholinesterase noncovalent inhibitors based on a polyamine backbone. 2. Role of the substituents on the phenyl ring and nitrogen atoms of caproctamine. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 954-66	8.3	31

22	Prazosin-related compounds. Effect of transforming the piperazinyquinazoline moiety into an aminomethyltetrahydroacridine system on the affinity for alpha1-adrenoreceptors. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 4895-903	8.3	41
21	Structure-activity relationships of methoctramine-related polyamines as muscular nicotinic receptor noncompetitive antagonists. 2. Role of polymethylene chain lengths separating amine functions and of substituents on the terminal nitrogen atoms. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 1668-78	8.3	14
20	Analysis of the muscarinic receptor subtype mediating inhibition of the neurogenic contractions in rabbit isolated vas deferens by a series of polymethylene tetra-amines. <i>British Journal of Pharmacology</i> , 2001 , 132, 1009-16	8.6	19
19	Analogues of prazosin that bear a benextramine-related polyamine backbone exhibit different antagonism toward alpha1-adrenoreceptor subtypes. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 362-71	8.3	12
18	Design, synthesis, and biological activity of methoctramine-related polyamines as putative G(i) protein activators. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 4035-8	8.3	9
17	Hexahydrochromeno[4,3-b]pyrrole derivatives as acetylcholinesterase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 105-9	8.3	24
16	[4-[[N-(3-chlorophenyl)carbamoyl]oxy]-2-butylnyl]-trimethylammonium (McN-A-343)-related compounds. Effect of the butynyl chain inclusion into an aromatic unit on the potency for muscarinic receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2000 , 8, 681-9	3.4	2
15	1-Adrenoreceptor antagonists bearing a quinazoline or a benzodioxane moiety. <i>Pharmacochemistry Library</i> , 2000 , 31, 181-190		
14	Design, synthesis, and biological evaluation of symmetrically and unsymmetrically substituted methoctramine-related polyamines as muscular nicotinic receptor noncompetitive antagonists. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 5212-23	8.3	37
13	WB 4101-related compounds. 2. Role of the ethylene chain separating amine and phenoxy units on the affinity for alpha(1)-adrenoreceptor subtypes and 5-HT(1A) receptors. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 4214-24	8.3	26
12	Antagonist binding profile of the split chimeric muscarinic m2-trunc/m3-tail receptor. <i>European Journal of Pharmacology</i> , 1998 , 355, 267-74	5.3	8
11	Search for selective antagonists at alpha 1-adrenoreceptors: neutral or negative antagonism?. <i>Il Farmaco</i> , 1998 , 53, 278-86		17
10	Search for alpha 1-adrenoceptor subtypes selective antagonists: design, synthesis and biological activity of cystazosin, an alpha 1D-adrenoceptor antagonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 1353-8	2.9	19
9	Universal template approach to drug design: polyamines as selective muscarinic receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 4150-60	8.3	32
8	Design, synthesis and biological activity of some 4-DAMP- related compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995 , 5, 2325-2330	2.9	3
7	The design of novel methoctramine-related tetraamines as muscarinic receptor subtype selective antagonists. <i>Life Sciences</i> , 1995 , 56, 837-44	6.8	21
6	In vitro characterization of tripitramine, a polymethylene tetraamine displaying high selectivity and affinity for muscarinic M2 receptors. <i>British Journal of Pharmacology</i> , 1995 , 114, 1507-17	8.6	29
5	Design, synthesis and biological activity of some tetraamines related to methoctramine and 4-DAMP. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995 , 5, 785-790	2.9	14

4	Binding profile of the selective muscarinic receptor antagonist tripitramine. <i>European Journal of Pharmacology</i> , 1994 , 268, 459-62		44
3	Design, synthesis, and biological activity of methoctramine-related tetraamines bearing an 11-acetyl-5,11-dihydro-6H-pyrido[2,3-b][1,4] benzodiazepin-6-one moiety: structural requirements for optimum occupancy of muscarinic receptor subtypes as revealed by symmetrical and	8.3	24
2	Synthesis and biological activity of some methoctramine-related tetraamines bearing a 11-acetyl-5,11-dihydro-6H-pyrido[2,3-b][1,4]-benzodiazepin-6-one moiety as antimuscarinics: a second generation of highly selective M2 muscarinic receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 1993 , 36, 3734-7	8.3	41
1	Synthetic organic ligands active at voltage-gated calcium channels. <i>Annals of the New York Academy of Sciences</i> , 1991 , 635, 123-38	6.5	19