Paola Barraja

List of Publications by Year
in descending order

114 papers	3,649 citations	87888 38 h-index	161849 54 g-index
129 all docs	129 docs citations	129 times ranked	3410 citing authors

#	Article	IF	Citations
1	Synthesis of 2H-Imidazo[2â€²,1':2,3] [1,3]thiazolo[4,5-e]isoindol-8-yl-phenylureas with promising therapeutic features for the treatment of acute myeloid leukemia (AML) with FLT3/ITD mutations. European Journal of Medicinal Chemistry, 2022, 235, 114292.	5.5	18
2	Insight on pyrimido[5,4-g]indolizine and pyrimido[4,5-c]pyrrolo[1,2-a]azepine systems as promising photosensitizers on malignant cells. European Journal of Medicinal Chemistry, 2022, 237, 114399.	5.5	20
3	Novel insights on [1,2]oxazolo[5,4â€‹e]isoindoles on multidrug resistant acute myeloid leukemia cell line. Drug Development Research, 2022, 83, 1331-1341.	2.9	21
4	Evaluation of Fused Pyrrolothiazole Systems as Correctors of Mutant CFTR Protein. Molecules, 2021, 26, 1275.	3.8	21
5	Insight on [1,3]thiazolo[4,5-e]isoindoles as tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2021, 212, 113122.	5.5	30
6	Recurrence of the oxazole motif in tubulin colchicine site inhibitors with anti-tumor activity. European Journal of Medicinal Chemistry Reports, 2021, 1, 100004.	1.4	5
7	Pyrrolidine in Drug Discovery: A Versatile Scaffold for Novel Biologically Active Compounds. Topics in Current Chemistry, 2021, 379, 34.	5.8	82
8	Current development of CFTR potentiators in the last decade. European Journal of Medicinal Chemistry, 2020, 204, 112631.	5.5	18
9	Pyrrolo[2â€²,3â€²:3,4]cyclohepta[1,2-d][1,2]oxazoles, a New Class of Antimitotic Agents Active against Multiple Malignant Cell Types. Journal of Medicinal Chemistry, 2020, 63, 12023-12042.	6.4	43
10	Marine Anticancer Agents: An Overview with a Particular Focus on Their Chemical Classes. Marine Drugs, 2020, 18, 619.	4.6	62
11	An overview on anti-tubulin agents for the treatment of lymphoma patients. , 2020, 211, 107552.		42
12	Bioactive pyrrole-based compounds with target selectivity. European Journal of Medicinal Chemistry, 2020, 208, 112783.	5.5	121
13	An overview on chemical structures as Î”F508-CFTR correctors. European Journal of Medicinal Chemistry, 2019, 180, 430-448.	5.5	20
14	Targeting multiple myeloma with natural polyphenols. European Journal of Medicinal Chemistry, 2019, 180, 465-485.	5.5	25
15	Furocoumarins as multi-target agents in the treatment of cystic fibrosis. European Journal of Medicinal Chemistry, 2019, 180, 283-290.	5.5	18
16	Quality, functional and sensory evaluation of pasta fortified with extracts from Opuntia ficusâ€‹indica cladodes. Journal of the Science of Food and Agriculture, 2019, 99, 4242-4247.	3.5	21
17	Synthesis and photocytotoxic activity of [1,2,3]triazolo[4,5-h][1,6]naphthyridines and [1,3]oxazolo[5,4-h][1,6]naphthyridines. European Journal of Medicinal Chemistry, 2019, 162, 176-193.	5.5	12
18	Synthesis of 5H-pyrido[3,2-b]pyrrolizin-5-one tripentone analogs with antitumor activity. European Journal of Medicinal Chemistry, 2018, 158, 236-246.	5.5	7

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19	New Thiazole Nortopsentin Analogues Inhibit Bacterial Biofilm Formation. Marine Drugs, 2018, 16, 274.	4.6	38
20	Pyrrolo[3â€²,2â€²:6,7]cyclohepta[1,2-b]pyridines with potent photo-antiproliferative activity. European Journal of Medicinal Chemistry, 2017, 128, 300-318.	5.5	12
21	Pharmaceutical Approaches to Target Antibiotic Resistance Mechanisms. Journal of Medicinal Chemistry, 2017, 60, 8268-8297.	6.4	123
22	Synthesis and antitumor activities of 1,2,3-triazines and their benzo- and heterofused derivatives. European Journal of Medicinal Chemistry, 2017, 142, 74-86.	5.5	21
23	1,3,5-Triazines: A promising scaffold for anticancer drugs development. European Journal of Medicinal Chemistry, 2017, 142, 523-549.	5.5	105
24	An overview on the recent developments of 1,2,4-triazine derivatives as anticancer compounds. European Journal of Medicinal Chemistry, 2017, 142, 328-375.	5.5	88
25	Editorial - Current advances in cancer research: Therapeutics, Targets, and Chemical Biology. European Journal of Medicinal Chemistry, 2017, 142, 1.	5.5	0
26	Synthesis, antitumor activity and CDK1 inhibiton of new thiazole nortopsentin analogues. European Journal of Medicinal Chemistry, 2017, 138, 371-383.	5.5	64
27	New Tripentone Analogs with Antiproliferative Activity. Molecules, 2017, 22, 2005.	3.8	8
28	Investigation of Isoindolo[2,1-a]quinoxaline-6-imines as Topoisomerase I Inhibitors with Molecular Modeling Methods. Current Computer-Aided Drug Design, 2017, 13, 208-221.	1.2	6
29	Synthesis and Antitumor Activity of New Thiazole Nortopsentin Analogs. Marine Drugs, 2016, 14, 226.	4.6	52
30	[1,2]Oxazolo[5,4- e]isoindoles as promising tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2016, 124, 840-851.	5.5	23
31	Synthesis and antiproliferative mechanism of action of pyrrolo[3â€²,2â€²:6,7] cyclohepta[1,2- d]pyrimidin-2-amines as singlet oxygen photosensitizers. European Journal of Medicinal Chemistry, 2016, 123, 447-461.	5.5	14
32	Preclinical Activity of New [1,2]Oxazolo[5,4-e]isoindole Derivatives in Diffuse Malignant Peritoneal Mesothelioma. Journal of Medicinal Chemistry, 2016, 59, 7223-7238.	6.4	40
33	Quality characteristics and inÂvitro digestibility study of barley flour enriched ditalini pasta. LWT - Food Science and Technology, 2016, 72, 223-228.	5.2	20
34	Aza-isoindolo and isoindolo-azaquinoxaline derivatives with antiproliferative activity. European Journal of Medicinal Chemistry, 2015, 94, 367-377.	5.5	40
35	Water-soluble isoindolo[2,1-a]quinoxalin-6-imines: InÂvitro antiproliferative activity and molecular mechanism(s) of action. European Journal of Medicinal Chemistry, 2015, 94, 149-162.	5.5	51
36	Synthesis of isoindolo[1,4]benzoxazinone and isoindolo[1,5]benzoxazepine: two new ring systems of pharmaceutical interest. Tetrahedron, 2015, 71, 7332-7338.	1.9	27

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37	3-[4-(1H-Indol-3-yl)-1,3-thiazol-2-yl]-1H-pyrrolo[2,3-b]pyridines, Nortopsentin Analogues with Antiproliferative Activity. Marine Drugs, 2015, 13, 1901-1924.	4.6	44
38	Synthesis and Antiproliferative Activity of Thiazolyl-bis-pyrrolo[2,3-b]pyridines and Indolyl-thiazolyl-pyrrolo[2,3-c]pyridines, Nortopsentin Analogues. Marine Drugs, 2015, 13, 460-492.	4.6	54
39	Pyrazolo[3,4-h]quinolines promising photosensitizing agents in the treatment of cancer. European Journal of Medicinal Chemistry, 2015, 102, 334-351.	5.5	57
40	Synthesis of the New Ring System Bispyrido[4',3':4,5]pyrrolo [1,2-a:1',2'-d]pyrazine and Its Deaza Analogue. Molecules, 2014, 19, 13342-13357.	3.8	12
41	11H-Pyrido[3â€²,2â€²:4,5]pyrrolo[3,2-c]cinnoline and Pyrido[3â€²,2â€²:4,5]pyrrolo[1,2-c][1,2,3]benzotriazine: Two New Ring Systems with Antitumor Activity. Journal of Medicinal Chemistry, 2014, 57, 9495-9511.	6.4	48
42	â€˜Interruptedâ€™ diazotization of 3-aminoindoles and 3-aminopyrroles. Tetrahedron, 2014, 70, 7318-7321.	1.9	10
43	Synthesis of a new class of pyrrolo[3,4-h]quinazolines with antimitotic activity. European Journal of Medicinal Chemistry, 2014, 74, 340-357.	5.5	45
44	Novel 1H-Pyrrolo[2,3-b]pyridine Derivative Nortopsentin Analogues: Synthesis and Antitumor Activity in Peritoneal Mesothelioma Experimental Models. Journal of Medicinal Chemistry, 2013, 56, 7060-7072.	6.4	91
45	Convenient synthesis of pyrrolo[3,4-g]indazole. Tetrahedron, 2013, 69, 9839-9847.	1.9	16
46	Synthesis of the new oligopeptide pyrrole derivative isonetropsin and its one pyrrole unit analogue. Tetrahedron, 2013, 69, 2550-2554.	1.9	26
47	Synthesis of [1,2]oxazolo[5,4-e]indazoles as antitumour agents. Tetrahedron, 2013, 69, 6474-6477.	1.9	34
48	Synthesis and Antiproliferative Activity of 2,5-bis(3â€²-Indolyl)pyrroles, Analogues of the Marine Alkaloid Nortopsentin. Marine Drugs, 2013, 11, 643-654.	4.6	68
49	Synthesis and Antiproliferative Activity of the Ring System [1,2]Oxazolo[4,5â€g]indole. ChemMedChem, 2012, 7, 1901-1904.	3.2	38
50	An efficient synthesis of pyrrolo[3â€²,2â€²:4,5]thiopyrano[3,2-b]pyridin-2-one: a new ring system of pharmaceutical interest. Tetrahedron, 2012, 68, 5087-5094.	1.9	27
51	Synthesis of Triazenoazaindoles: a New Class of Triazenes with Antitumor Activity. ChemMedChem, 2011, 6, 1291-1299.	3.2	36
52	Synthesis and Antitumor Activity of 3â€(2â€Phenylâ€1,3â€thiazolâ€4â€yl)â€1Hâ€indoles and 3â€(2â€Phenylâ€1,3â€thiazolâ€4â€yl)â€1Hâ€7â€azaindoles. ChemMedChem, 2011, 6, 1300-1309.	3.2	53
53	Pyrrolo[3,2â€h]quinazolines as Photochemotherapeutic Agents. ChemMedChem, 2011, 6, 1238-1248.	3.2	46
54	Pyrrolo[3,4-h]quinolinones a new class of photochemotherapeutic agents. Bioorganic and Medicinal Chemistry, 2011, 19, 2326-2341.	3.0	40

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55	Nucleophilic substitutions in the isoindole series as a valuable tool to synthesize derivatives with antitumor activity. Tetrahedron, 2011, 67, 2072-2080.	1.9	17
56	Synthesis of the new ring system pyrrolizino[2,3-b]indol-4(5H)-one. Tetrahedron, 2011, 67, 3374-3379.	1.9	40
57	Synthesis and antitumor activity of 2,5-bis(3â€²-indolyl)-furans and 3,5-bis(3â€²-indolyl)-isoxazoles, nortopsentin analogues. Bioorganic and Medicinal Chemistry, 2010, 18, 4524-4529.	3.0	131
58	Synthesis of pyrrolo[3,2-h]quinolinones with good photochemotherapeutic activity and no DNA damage. Bioorganic and Medicinal Chemistry, 2010, 18, 4830-4843.	3.0	36
59	Synthesis of the new ring system 6,8-dihydro-5H-pyrrolo[3,4-h]quinazoline. Tetrahedron Letters, 2009, 50, 5389-5391.	1.4	33
60	Pyrrolotetrazinones deazaanalogues of temozolomide induce apoptosis in Jurkat cell line: involvement of tubulin polymerization inhibition. Cancer Chemotherapy and Pharmacology, 2009, 64, 1235-1251.	2.3	9
61	Synthesis of the new ring system 2-oxo-[1,4]oxazino[3,2-e]indole, heteroanalogue of Angelicin. Tetrahedron Letters, 2009, 50, 4182-4184.	1.4	12
62	Pyrano[2,3-e]isoindol-2-ones, new angelicin heteroanalogues. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1711-1714.	2.2	43
63	Pyrido[2â€™,3â€™:4,5]pyrrolo[2,1-d][1,2,3,5]tetrazine-4(3H)-ones, a new class of temozolomide heteroanalogues. Arkivoc, 2009, 2009, 177-186.	0.5	8
64	Pyrido[4â€²,3â€²:4,5]pyrrolo[2,1-d][1,2,3,5]tetrazines, a new class of Temozolomide heteroanalogues. Arkivoc, 2009, 2009, 1-11.	0.5	4
65	Thiopyrano[2,3-e]indol-2-ones: Angelicin heteroanalogues with potent photoantiproliferative activity. Bioorganic and Medicinal Chemistry, 2008, 16, 9668-9683.	3.0	19
66	Nucleophilic reactions in the indole series: displacement of bromine under phase transfer catalysis. Tetrahedron, 2008, 64, 11625-11631.	1.9	42
67	Isoindolo[2,1-a]quinoxaline Derivatives, Novel Potent Antitumor Agents with Dual Inhibition of Tubulin Polymerization and Topoisomerase I. Journal of Medicinal Chemistry, 2008, 51, 2387-2399.	6.4	88
68	DNA Minor Groove Binders: an Overview on Molecular Modeling and QSAR Approaches. Current Medicinal Chemistry, 2007, 14, 2136-2160.	2.4	35
69	Synthesis and antitumor properties of 2,5-bis(3â€²-indolyl)thiophenes: Analogues of marine alkaloid nortopsentin. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2342-2346.	2.2	96
70	3,5-Bis(3â€²-indolyl)pyrazoles, analogues of marine alkaloid nortopsentin: Synthesis and antitumor properties. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6134-6137.	2.2	92
71	Isoindolo[2,1-c]benzo[1,2,4]triazines: A new ring system with antiproliferative activity. Bioorganic and Medicinal Chemistry, 2007, 15, 343-349.	3.0	34
72	MADoSPRO: a new approach to molecular modelling studies on a series of DNA minor groove binders. QSAR and Combinatorial Science, 2006, 25, 252-262.	1.4	3

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73	Pyrrolo[2,3-h]quinolinones: A new ring system with potent photoantiproliferative activity. Bioorganic and Medicinal Chemistry, 2006, 14, 8712-8728.	3.0	40
74	A synthetic approach to new polycyclic ring system of biological interest through domino reaction: indolo[2,3-e][1,2,3]triazolo[1,5-a]pyrimidine. Tetrahedron Letters, 2006, 47, 2187-2190.	1.4	22
75	A Multivariate Analysis of HIV-1 Protease Inhibitors and Resistance Induced by Mutation. Journal of Chemical Information and Modeling, 2006, 46, 168-179.	5.4	13
76	Synthesis and antiproliferative activity of [1,2,3,5]tetrazino[5,4-a]indoles, a new class of azolo-tetrazinones. Bioorganic and Medicinal Chemistry, 2005, 13, 295-300.	3.0	20
77	Annelated pyrrolo-pyrimidines from amino-cyanopyrroles and BMMAs as leads for new DNA-interactive ring systems. Bioorganic and Medicinal Chemistry, 2005, 13, 1545-1553.	3.0	25
78	Synthesis and photochemotherapeutic activity of thiopyrano[2,3-e]indol-2-ones. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2291-2294.	2.2	18
79	1-Methyl-3H-pyrazolo[1,2-a]benzo[1,2,3,4]tetrazin-3-ones. Design, Synthesis, and Biological Activity of New Antitumor Agents. Journal of Medicinal Chemistry, 2005, 48, 2859-2866.	6.4	11
80	Synthesis of 8,9,10,11-Tetrahydroindolo[2,1-c]benzo[1,2,4]triazine. A New Ring System.. ChemInform, 2004, 35, no.	0.0	0
81	A New Tetracyclic Ring System of Biological Interest: Indolo[3,2-e][1,2,3]triazolo[1,5-a]pyrimidines Through Domino Reactions of 2-Azidoindole.. ChemInform, 2004, 35, no.	0.0	0
82	Docking of indolo- and pyrrolo-pyrimidines to DNA. New DNA-interactive polycycles from amino-indoles/pyrroles and BMMA. Arkivoc, 2004, 2004, 263-271.	0.5	9
83	Synthesis and antiproliferative activity of [1,2,4]triazino [4,3-a] indoles. Anticancer Research, 2004, 24, 3775-9.	1.1	3
84	New Tricyclic Systems of Biological Interest. Anellated 1,2,3-Triazolo[1,5-a]pyrimidines Through Domino Reaction of 3-Azidopyrroles and Methylene Active Nitriles.. ChemInform, 2003, 34, no.	0.0	0
85	Pyrrolo[2,3-h]quinolinones: Synthesis and Photochemotherapic Activity.. ChemInform, 2003, 34, no.	0.0	0
86	Pyrrolo[2,3-h]quinolinones: synthesis and photochemotherapic activity. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2809-2811.	2.2	34
87	Pyrrolo[2,1-d][1,2,3,5]tetrazine-4(3h)-ones, a new class of azolotetrazines with potent antitumor activity. Bioorganic and Medicinal Chemistry, 2003, 11, 2371-2380.	3.0	30
88	A Multivariate Analysis on Non-nucleoside HIV-1 Reverse Transcriptase Inhibitors and Resistance Induced by Mutation. QSAR and Combinatorial Science, 2003, 22, 984-996.	1.4	7
89	A New Tetracyclic Ring System of Biological Interest. Indolo[3,2-e][1,2,3]triazolo[1,5-a]pyrimidines through Domino Reactions of 2-Azidoindole. Heterocycles, 2003, 60, 2669.	0.7	29
90	Synthesis of 8,9,10,11-Tetrahydroindolo[2,1-c]benzo[1,2,4]triazine. A New Ring Syntem. Heterocycles, 2003, 60, 2519.	0.7	6

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91	New Tetracyclic Ring System of Biological Interest Indolo[3,2-e][1,2,3]triazolo[1,5-a]pyrimidine through domino reactions of 2-azidoindole. , 2003, , 224.		1
92	Isoindolo[2,1-c]benzo[1,2,4]triazine: a New Ring System with Potential Antitumor Activity. , 2003, , 284.		0
93	2-Diazoindoles: building blocks for the synthesis of antineoplastic agents. Il Farmaco, 2002, 57, 97-100.	0.9	5
94	Pyrrolo[2,1-c][1,2,4]triazines from 2-diazopyrroles: synthesis and antiproliferative activity. European Journal of Medicinal Chemistry, 2002, 37, 267-272.	5.5	55
95	New tricyclic systems of biological interest. Annelated 1,2,3-triazolo[1,5-a]pyrimidines through domino reaction of 3-azidopyrroles and methylene active nitriles. Tetrahedron, 2002, 58, 9723-9727.	1.9	39
96	Pyrrolo[1,2-f]phenanthridines and related non-rigid analogues as antiviral agents. European Journal of Medicinal Chemistry, 2002, 37, 3-10.	5.5	33
97	Comparative study of isoflavone, quinoxaline and oxindole families of anti-angiogenic agents. Angiogenesis, 2002, 5, 45-51.	7.2	50
98	2-triazenoindoles: synthesis and biological activity. Anticancer Research, 2002, 22, 837-40.	1.1	5
99	Controlling the rates of reductively-activated elimination from the (indol-3-yl)methyl position of indolequinones. Perkin Transactions II RSC, 2001, , 843-860.	1.1	23
100	Indolequinone Antitumor Agents:â€‰ Correlation between Quinone Structure and Rate of Metabolism by Recombinant Human NAD(P)H:Quinone Oxidoreductase. Part 2. Journal of Medicinal Chemistry, 2001, 44, 3311-3319.	6.4	55
101	2-Diazo-2H-indoles. Helvetica Chimica Acta, 2001, 84, 2212-2219.	1.6	6
102	Dipyrrolo[1,2-a:1',2'-c]quinazoline, a New Ring System of Biological Interest. Heterocycles, 2000, 53, 1975.	0.7	6
103	Pyrrolo[3,4â€‹e][1,2,3]triazolo[1,5â€‹a]pyrimidine and pyrrolo[3,4â€‹d][1,2,3]triazolo[1,5â€‹a]pyrimidine. New tricyclic ring systems of biological interest. Journal of Heterocyclic Chemistry, 2000, 37, 747-750.	2.6	24
104	Protonation of Aminoindoles. Tetrahedron, 2000, 56, 5177-5183.	1.9	13
105	Indolo[3,2- c]cinnolines with antiproliferative, antifungal, and antibacterial activity. Bioorganic and Medicinal Chemistry, 1999, 7, 1591-1596.	3.0	50
106	2-Triazenopyrroles: synthesis and biological activity. European Journal of Medicinal Chemistry, 1999, 34, 353-360.	5.5	15
107	Derivatives of the New Ring System Indolo[1,2-c]benzo[1,2,3]triazine with Potent Antitumor and Antimicrobial Activity. Journal of Medicinal Chemistry, 1999, 42, 2561-2568.	6.4	50
108	Pyrrolo[2,3-b][1,4]benzothiazine. A New Ring System from Azidopyrroles. Heterocycles, 1999, 51, 2103.	0.7	3

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109	Glycosidopyrroles Part 1. Acyclic derivatives: 1-(2-hydroxyethoxy) methylpyrroles as potential anti-viral agents. Il Farmaco, 1998, 53, 33-40.	0.9	42
110	Glycosidopyrroles Part 3. Effect of the benzocondensation on acyclic derivatives: 1-(2-hydroxyethoxy) methylindoles as potential antiviral agents. Il Farmaco, 1998, 53, 409-414.	0.9	7
111	Pyrrolo[3,2â€‹i>c</i>][1,2,5]benzotriazocine: A new ring system. Journal of Heterocyclic Chemistry, 1998, 35, 1535-1537.	2.6	10
112	Pyrrolo[2,3-d][1,2,3]triazoles as Potential Antineoplastic Agents. Heterocycles, 1998, 48, 1229.	0.7	64
113	Reactivity of aminopyrroles: Protonation. Journal of Heterocyclic Chemistry, 1996, 33, 161-168.	2.6	11
114	Polycondensed Nitrogen Heterocycles. Part 26. Aminopyrrolo[1,2-f]phenanthridines by Decomposition and Cyclization of 2-Aryl-1-(3-azidophenyl)pyrroles. Heterocycles, 1994, 37, 1549.	0.7	10