Luisa Carlota Lopez-Cara

List of Publications by Year
in descending order

84 papers	2,010 citations	236612 25 h-index	276539 41 g-index
87 all docs	87 docs citations	87 times ranked	2695 citing authors

#	Article	IF	Citations
1	Anticancer Activity of the Choline Kinase Inhibitor PL48 Is Due to Selective Disruption of Choline Metabolism and Transport Systems in Cancer Cell Lines. Pharmaceutics, 2022, 14, 426.	2.0	3
2	Biological Evaluation of New Thienopyridinium and Thienopyrimidinium Derivatives as Human Choline Kinase Inhibitors. Pharmaceutics, 2022, 14, 715.	2.0	2
3	3-hydroxy-L-kynurenamine is an immunomodulatory biogenic amine. Nature Communications, 2021, 12, 4447.	5.8	30
4	Anticancer and Structure Activity Relationship of Non-Symmetrical Choline Kinase Inhibitors. Pharmaceutics, 2021, 13, 1360.	2.0	3
5	New Compounds with Bioisosteric Replacement of Classic Choline Kinase Inhibitors Show Potent Antiplasmodial Activity. Pharmaceutics, 2021, 13, 1842.	2.0	1
6	Targeting Aryl hydrocarbon receptor for next-generation immunotherapies: Selective modulators (SAhRMs) versus rapidly metabolized ligands (RMAhRLs). European Journal of Medicinal Chemistry, 2020, 185, 111842.	2.6	35
7	Synthesis, biological evaluation, in silico modeling and crystallization of novel small monocationic molecules with potent antiproliferative activity by dual mechanism. European Journal of Medicinal Chemistry, 2020, 207, 112797.	2.6	4
8	Crystal Structure of the Apo and the ADP-Bound Form of Choline Kinase from Plasmodium falciparum. Crystals, 2020, 10, 613.	1.0	4
9	Biomimetic Magnetic Nanocarriers Drive Choline Kinase Alpha Inhibitor inside Cancer Cells for Combined Chemo-Hyperthermia Therapy. Pharmaceutics, 2019, 11, 408.	2.0	23
10	Design, Synthesis, and Biological Evaluation of 6-Substituted Thieno[3,2-d]pyrimidine Analogues as Dual Epidermal Growth Factor Receptor Kinase and Microtubule Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 1274-1290.	2.9	33
11	Choline kinase inhibitors EB-3D and EB-3P interferes with lipid homeostasis in HepG2 cells. Scientific Reports, 2019, 9, 5109.	1.6	19
12	Synthesis and biological evaluation of alpha-bromoacryloylamido indolyl pyridinyl propenones as potent apoptotic inducers in human leukaemia cells. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 727-742.	2.5	10
13	2-Alkoxycarbonyl-3-arylamino-5-substituted thiophenes as a novel class of antimicrotubule agents: Design, synthesis, cell growth and tubulin polymerization inhibition. European Journal of Medicinal Chemistry, 2018, 143, 683-698.	2.6	15
14	Choline Kinase Alpha Inhibition by EB-3D Triggers Cellular Senescence, Reduces Tumor Growth and Metastatic Dissemination in Breast Cancer. Cancers, 2018, 10, 391.	1.7	23
15	1,2-Diphenoxiethane salts as potent antiplasmodial agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2485-2489.	1.0	6
16	Lead optimization-hit expansion of new asymmetrical pyridinium/quinolinium compounds as choline kinase Î±1 inhibitors. Future Medicinal Chemistry, 2018, 10, 1769-1786.	1.1	4
17	EB-3D a novel choline kinase inhibitor induces deregulation of the AMPK-mTOR pathway and apoptosis in leukemia T-cells. Biochemical Pharmacology, 2018, 155, 213-223.	2.0	19
18	Enhancement of Tumor Cell Death by Combining gef Gene Mediated Therapy and New 1,4-Benzoxazepin-2,6-Dichloropurine Derivatives in Breast Cancer Cells. Frontiers in Pharmacology, 2018, 9, 798.	1.6	8

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19	Design, synthesis and biological evaluation of 3-substituted-2-oxindole hybrid derivatives as novel anticancer agents. European Journal of Medicinal Chemistry, 2017, 134, 258-270.	2.6	23
20	Synthesis and Biological Evaluation of 2-Methyl-4,5-Disubstituted Oxazoles as a Novel Class of Highly Potent Antitubulin Agents. Scientific Reports, 2017, 7, 46356.	1.6	17
21	1 H and 13 C NMR spectral assignments of 1,1â€²-(((ethane-1,2-diylbis(oxy))bis(4,1-phenylene))bis(methylene))-bispyridinium and -bisquinolinium bromide derivatives. Magnetic Resonance in Chemistry, 2016, 54, 905-911.	1.1	0
22	Design, synthesis, crystallization and biological evaluation of new symmetrical biscationic compounds as selective inhibitors of human Choline Kinase Î±1 (ChoKÎ±1). Scientific Reports, 2016, 6, 23793.	1.6	21
23	Synthesis of oxadiazoline and quinazolinone derivatives and their biological evaluation as nitric oxide synthase inhibitors. Medicinal Chemistry Research, 2016, 25, 1260-1273.	1.1	1
24	Design and Synthesis of Potent in Vitro and in Vivo Anticancer Agents Based on 1-(3â€²,4â€²,5â€²-Trimethoxyphenyl)-2-Aryl-1H-Imidazole. Scientific Reports, 2016, 6, 26602.	1.6	29
25	Novel iodoacetamido benzoheterocyclic derivatives with potent antileukemic activity are inhibitors of STAT5 phosphorylation. European Journal of Medicinal Chemistry, 2016, 108, 39-52.	2.6	6
26	Abstract 1233:In vitroandin vivopharmacological study of EB-3D: a novel choline kinase inhibitor for breast cancer treatment. , 2016, , .		0
27	Synthesis and biological evaluation of a new series of 2-amino-3-aroyl thiophene derivatives as agonist allosteric modulators of the A 1 adenosine receptor. A position-dependent effect study. European Journal of Medicinal Chemistry, 2015, 101, 185-204.	2.6	13
28	Design, Synthesis, in Vitro, and in Vivo Anticancer and Antiangiogenic Activity of Novel 3-Arylaminobenzofuran Derivatives Targeting the Colchicine Site on Tubulin. Journal of Medicinal Chemistry, 2015, 58, 3209-3222.	2.9	47
29	Pharmacophoreâ€Based Virtual Screening to Discover New Active Compounds for Human Choline Kinase Î±1. Molecular Informatics, 2015, 34, 458-466.	1.4	8
30	New more polar symmetrical bipyridinic compounds: new strategy for the inhibition of choline kinase Î±1. Future Medicinal Chemistry, 2015, 7, 417-436.	1.1	14
31	Choline Kinase Active Site Provides Features for Designing Versatile Inhibitors. Current Topics in Medicinal Chemistry, 2015, 14, 2684-2693.	1.0	11
32	Synthesis and biological evaluation of novel 2-amino-3-aroyl-4-neopentyl-5-substituted thiophene derivatives as allosteric enhancers of the A1 adenosine receptor. Bioorganic and Medicinal Chemistry, 2014, 22, 148-166.	1.4	12
33	¹H, ¹³C NMR studies of new 3â€aminophenol isomers linked to pyridinium salts. Magnetic Resonance in Chemistry, 2014, 52, 40-46.	1.1	0
34	Design, synthesis and biological evaluation of 3,5-disubstituted 2-amino thiophene derivatives as a novel class of antitumor agents. Bioorganic and Medicinal Chemistry, 2014, 22, 5097-5109.	1.4	40
35	Synthesis and Biological Evaluation of Novel Allosteric Enhancers of the A₁ Adenosine Receptor Based on 2-Amino-3-(4â€²-Chlorobenzoyl)-4-Substituted-5-Arylethynyl Thiophene. Journal of Medicinal Chemistry, 2014, 57, 7673-7686.	2.9	26
36	Synthesis and biological effects of novel 2-amino-3-(4-chlorobenzoyl)-4-substituted thiophenes as allosteric enhancers ofÂthe A1 adenosine receptor. European Journal of Medicinal Chemistry, 2013, 67, 409-427.	2.6	17

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37	Concise Synthesis and Biological Evaluation of 2-Aroyl-5-Amino Benzo[b]thiophene Derivatives As a Novel Class of Potent Antimitotic Agents. Journal of Medicinal Chemistry, 2013, 56, 9296-9309.	2.9	44
38	New non-symmetrical choline kinase inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 7146-7154.	1.4	14
39	Melatonin Synthetic Analogs as Nitric Oxide Synthase Inhibitors. Mini-Reviews in Medicinal Chemistry, 2012, 12, 600-617.	1.1	19
40	Synthesis and Biological Evaluation of 2-Amino-3-(4-chlorobenzoyl)-4-[(4-arylpiperazin-1-yl)methyl]-5-substituted-thiophenes. Effect of the 5-Modification on Allosteric Enhancer Activity at the A1 Adenosine Receptor. Journal of Medicinal Chemistry, 2012, 55, 7719-7735.	2.9	27
41	In silico pharmacology for a multidisciplinary drug discovery process. Drug Metabolism and Drug Interactions, 2012, 27, 199-207.	0.3	30
42	NMR spectroscopic characterization of new 2,3â€dihydroâ€1,3,4â€thiadiazole derivatives. Magnetic Resonance in Chemistry, 2012, 50, 515-522.	1.1	1
43	1,3,4-Thiadiazole derivatives as selective inhibitors of iNOS versus nNOS: Synthesis and structure-activity dependence. European Journal of Medicinal Chemistry, 2012, 50, 129-139.	2.6	14
44	Structureâ€“activity relationships of 2-amino-3-aroyl-4-[(4-arylpiperazin-1-yl)methyl]thiophenes. Part 2: Probing the influence of diverse substituents at the phenyl of the arylpiperazine moiety on allosteric enhancer activity at the A1 adenosine receptor. Bioorganic and Medicinal Chemistry, 2012, 20, 996-1007.	1.4	14
45	One-pot synthesis and biological evaluation of 2-pyrrolidinyl-4-amino-5-(3â€²,4â€²,5â€²-trimethoxybenzoyl)thiazole: A unique, highly active antimicrotubule agent. European Journal of Medicinal Chemistry, 2011, 46, 6015-6024.	2.6	32
46	Synthesis and Antitumor Molecular Mechanism of Agents Based on Amino 2â€(3â€²,4â€²,5â€²â€Trimethoxybenzoyl)benzo[b]furan: Inhibition of Tubulin and Induction of Apoptosis. ChemMedChem, 2011, 6, 1841-1853.	1.6	10
47	New (RS)-benzoxazepin-purines with antitumour activity: The chiral switch from (RS)-2,6-dichloro-9-[1-(p-nitrobenzenesulfonyl)-1,2,3,5-tetrahydro-4,1-benzoxazepin-3-yl]-9H-purine. European Journal of Medicinal Chemistry, 2011, 46, 249-258.	2.6	39
48	Symmetrical Î±-bromoacryloylamido diaryldienone derivatives as a novel series of antiproliferative agents. Design, synthesis and biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2733-2739.	1.0	2
49	Synthesis and biological evaluation of 2-(3â€²,4â€²,5â€²-trimethoxybenzoyl)-3-aryl/arylaminobenzo[b]thiophene derivatives as a novel class of antiproliferative agents. European Journal of Medicinal Chemistry, 2010, 45, 5781-5791.	2.6	42
50	Synthesis and Antitumor Activity of 1,5-Disubstituted 1,2,4-Triazoles as Cis-Restricted Combretastatin Analogues. Journal of Medicinal Chemistry, 2010, 53, 4248-4258.	2.9	149
51	Synthesis and Evaluation of Haloacetyl, α-Bromoacryloyl and Nitrooxyacetyl Benzo[b]furan and Benzo[b]thiophene Derivatives as Potent Antiproliferative Agents Against Leukemia L1210 and K562 Cells. Letters in Drug Design and Discovery, 2010, 7, 476-486.	0.4	5
52	α-Halogenoacrylic Derivatives of Antitumor Agents. Mini-Reviews in Medicinal Chemistry, 2009, 9, 81-94.	1.1	13
53	NMR and conformational studies of new 5â€phenylpyrroleâ€carboxamide derivatives. Magnetic Resonance in Chemistry, 2009, 47, 1101-1109.	1.1	2
54	Design, synthesis and structureâ€“activity relationship of 2-(3â€²,4â€²,5â€²-trimethoxybenzoyl)-benzo[b]furan derivatives as a novel class of inhibitors of tubulin polymerization. Bioorganic and Medicinal Chemistry, 2009, 17, 6862-6871.	1.4	68

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55	Phenylpyrrole derivatives as neural and inducible nitric oxide synthase (nNOS and iNOS) inhibitors. European Journal of Medicinal Chemistry, 2009, 44, 2655-2666.	2.6	25
56	Hybrid Î±-bromoacryloylamido chalcones. Design, synthesis and biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2022-2028.	1.0	50
57	Synthesis and evaluation of a thio analogue of duocarmycin SA. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6962-6965.	1.0	13
58	2-Arylamino-4-Amino-5-Aroylthiazoles. â€œOne-Potâ€•Synthesis and Biological Evaluation of a New Class of Inhibitors of Tubulin Polymerization. Journal of Medicinal Chemistry, 2009, 52, 5551-5555.	2.9	53
59	Discovery of 8-methoxypyrazino[1,2-a]indole as a New Potent Antiproliferative Agent Against Human Leukemia K562 Cells. A Structure-Activity Relationship Study. Letters in Drug Design and Discovery, 2009, 6, 298-303.	0.4	15
60	Validity of tests performed to diagnose acute abdominal pain in patients admitted at an emergency department. Revista Espanola De Enfermedades Digestivas, 2009, 101, 610-8.	0.1	27
61	¹H, ¹³C NMR, Xâ€ray and conformational studies of new 1â€alkylâ€3â€benzoylâ€pyrazole and 1â€alkylâ€3â€benzoylâ€pyrazoline derivatives. Magnetic Resonance in Chemistry, 2008, 46, 878-885.	1.1	3
62	Pyrazoles and pyrazolines as neural and inducible nitric oxide synthase (nNOS and iNOS) potential inhibitors (III). European Journal of Medicinal Chemistry, 2008, 43, 2579-2591.	2.6	44
63	Design, synthesis, and biological evaluation of thiophene analogues of chalcones. Bioorganic and Medicinal Chemistry, 2008, 16, 5367-5376.	1.4	93
64	Synthesis and biological evaluation of 2-(3â€²,4â€²,5â€²-trimethoxybenzoyl)-3-N,N-dimethylamino benzo[b]furan derivatives as inhibitors of tubulin polymerization. Bioorganic and Medicinal Chemistry, 2008, 16, 8419-8426.	1.4	40
65	Synthesis and biological evaluation of 2-amino-3-(3â€²,4â€²,5â€²-trimethoxybenzoyl)-6-substituted-4,5,6,7-tetrahydrothieno[2,3-c]pyridine derivatives as antimitotic agents and inhibitors of tubulin polymerization. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5041-5045.	1.0	23
66	Synthesis and Biological Evaluation of 1-Methyl-2-(3â€²,4â€²,5â€²-trimethoxybenzoyl)-3-aminoindoles as a New Class of Antimitotic Agents and Tubulin Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 1464-1468.	2.9	90
67	The P2X₇receptor as a therapeutic target. Expert Opinion on Therapeutic Targets, 2008, 12, 647-661.	1.5	82
68	Synthesis and Biological Evaluation of 2-Amino-3-(4-Chlorobenzoyl)-4-[N-(Substituted) Piperazin-1-yl]Thiophenes as Potent Allosteric Enhancers of the A_₁ Adenosine Receptor. Journal of Medicinal Chemistry, 2008, 51, 5875-5879.	2.9	46
69	Synthesis and Biological Evaluation of 2-aroyl-4-phenyl-5- hydroxybenzofurans as a New Class of Antitubulin Agents. Medicinal Chemistry, 2008, 4, 558-564.	0.7	17
70	Synthesis and Biological Evaluation of a Series of 2-(3,4,5-Trimethoxybenzoyl)-Indol-3-yl Acetic Acid Derivatives as Potential Agents against Human Leukemia K562 Cells. Letters in Drug Design and Discovery, 2008, 5, 214-220.	0.4	1
71	Microwave-Assisted Synthesis of Substituted 2,4-Diarylthiazoles and their Evaluation as Anticancer Agents. Letters in Drug Design and Discovery, 2007, 4, 464-466.	0.4	6
72	Synthesis and Biological Evaluation of 2-amino-3-(3, 4, 5-trimethoxyphenylsulfonyl)-5-aryl thiophenes as a New Class of Antitubulin Agents. Medicinal Chemistry, 2007, 3, 507-512.	0.7	3

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73	Synthesis and Biological Evaluation of 2- and 3-Aminobenzo[b]thiophene Derivatives as Antimitotic Agents and Inhibitors of Tubulin Polymerization. Journal of Medicinal Chemistry, 2007, 50, 2273-2277.	2.9	131
74	From Tyrosine to Glycine:â€‰ Synthesis and Biological Activity of Potent Antagonists of the Purinergic P2X7 Receptor. Journal of Medicinal Chemistry, 2007, 50, 3706-3715.	2.9	11
75	Synthesis and Biological Evaluation of Novel 1-Deoxy-1-[6-[((hetero)arylcarbonyl)hydrazino]-9H-purin-9-yl]-N-ethyl-Î²-d-ribofuranuronamide Derivatives as Useful Templates for the Development of A2BAdenosine Receptor Agonists. Journal of Medicinal Chemistry, 2007, 50, 374-380.	2.9	24
76	Synthesis and Biological Evaluation of 2-(3â€˜,4â€˜,5â€˜-Trimethoxybenzoyl)-3-Amino 5-Aryl Thiophenes as a New Class of Tubulin Inhibitors. Journal of Medicinal Chemistry, 2006, 49, 6425-6428.	2.9	53
77	Microwave-assisted synthesis of thieno[2,3-c]pyridine derivatives as a new series of allosteric enhancers at the adenosine A1 receptor. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5530-5533.	1.0	21
78	An unexpected aromatization during the N-alkylation reaction of 3,4-dihydro-1H-pyrazole derivatives: insight into the reaction mechanism. Tetrahedron Letters, 2006, 47, 6239-6242.	0.7	4
79	Hybrid molecules based on distamycin A as potential antitumor agents. Arkivoc, 2006, 2006, 20-34.	0.3	2
80	Constipation in the population over 50 years of age in Albacete province. Revista Espanola De Enfermedades Digestivas, 2006, 98, 449-59.	0.1	10
81	Structural elucidation of a new Î”2-pyrazoline derivatives using1H and13C NMR spectroscopy. Magnetic Resonance in Chemistry, 2005, 43, 1063-1065.	1.1	3
82	Synthesis and Biological Evaluation of Allosteric A1-Adenosine Receptor Modulators Structurally Related to (2-Amino-4,5,6,7-Tetrahydro-Benzo[B]Thiophen-3-YL)-(4-Chloro-Phenyl)-Methanone, a Potent Compound Useful to Reduce Neuropathic Pain. Medicinal Chemistry Research, 2005, 14, 125-142.	1.1	4
83	A pharmacoeconomic evaluation of statins in the treatment of hypercholesterolaemia in the primary care setting in Spain. Pharmacoeconomics, 2005, 23, 275-287.	1.7	13
84	Kynurenamines as Neural Nitric Oxide Synthase Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 8174-8181.	2.9	47