

Oscar Lopez

List of Publications by Year in descending order

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85
papers

1,957
citations

346980

22
h-index

312153

41
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99
all docs

99
docs citations

99
times ranked

2997
citing authors

#	ARTICLE	IF	CITATIONS
1	Straightforward access to novel mitochondriotropics derived from 2-arylethanol as potent and selective antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2022, 228, 113980.	2.6	4
2	A gliclazide complex based on palladium towards Alzheimer's disease: promising protective activity against A β -induced toxicity in <i>C. elegans</i> . <i>Chemical Communications</i> , 2022, 58, 1514-1517.	2.2	6
3	Iridium- and Palladium-Based Catalysts in the Pharmaceutical Industry. <i>Catalysts</i> , 2022, 12, 164.	1.6	8
4	Functionalized d- and l-Arabino-Pyrrolidines as Potent and Selective Glycosidase Inhibitors. <i>Synthesis</i> , 2022, 54, 2916-2926.	1.2	2
5	2-Aminobenzoxazole-appended coumarins as potent and selective inhibitors of tumour-associated carbonic anhydrases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 168-177.	2.5	11
6	Chemoselective Preparation of New Families of Phenolic-Organoselenium Hybrids: A Biological Assessment. <i>Molecules</i> , 2022, 27, 1315.	1.7	1
7	Thio- and selenosemicarbazones as antiprotozoal agents against <i>Trypanosoma cruzi</i> and <i>Trichomonas vaginalis</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 781-791.	2.5	7
8	Evaluation of chromane derivatives: Promising privileged scaffolds for lead discovery within Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 68, 116807.	1.4	5
9	Carbohydrate-derived bicyclic selenazolines as new dual inhibitors (cholinesterases/OGA) against Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2022, 127, 105983.	2.0	5
10	Squaramide-Tethered Sulfonamides and Coumarins: Synthesis, Inhibition of Tumor-Associated CAs IX and XII and Docking Simulations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7685.	1.8	9
11	Tuning the activity of iminosugars: novel N-alkylated deoxynojirimycin derivatives as strong BuChE inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 138-146.	2.5	8
12	Tacrine-sugar mimetic conjugates as enhanced cholinesterase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2322-2337.	1.5	8
13	Ugi Reaction Synthesis of Oxindole-Lactam Hybrids as Selective Butyrylcholinesterase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1718-1725.	1.3	13
14	Novel 1,2,3-triazole epicinchonas: Transitioning from organocatalysis to biological activities. <i>Synthetic Communications</i> , 2021, 51, 2954-2974.	1.1	3
15	Metal- and metalloid-based compounds to target and reverse cancer multidrug resistance. <i>Drug Resistance Updates</i> , 2021, 58, 100778.	6.5	45
16	Development of tacrine clusters as positively cooperative systems for the inhibition of acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 1658-1663.	2.5	3
17	1,4-Dideoxy-1,4-imino-d-arabinitol (DAB) Analogues Possessing a Hydrazide Imide Moiety as Potent and Selective α -Mannosidase Inhibitors. <i>ACS Omega</i> , 2020, 5, 18507-18514.	1.6	7
18	Glucosylpolyphenols as Inhibitors of A β -Induced Fyn Kinase Activation and Tau Phosphorylation: Synthesis, Membrane Permeability, and Exploratory Target Assessment within the Scope of Type 2 Diabetes and Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11663-11690.	2.9	17

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19	Masked Phenolic-Selenium Conjugates: Potent and Selective Antiproliferative Agents Overcoming P-gp Resistance. <i>Pharmaceuticals</i> , 2020, 13, 358.	1.7	9
20	N-1,2,3-triazole-isatin derivatives for cholinesterase and β -amyloid aggregation inhibition: A comprehensive bioassay study. <i>Bioorganic Chemistry</i> , 2020, 98, 103753.	2.0	32
21	Carbohydrates: Potential Sweet Tools Against Cancer. <i>Current Medicinal Chemistry</i> , 2020, 27, 1206-1242.	1.2	17
22	Bicyclic 1-Azafagomine Derivatives: Synthesis and Glycosidase Inhibitory Testing. <i>Synthesis</i> , 2019, 51, 4066-4077.	1.2	5
23	Tacrine-O-protected phenolics heterodimers as multitarget-directed ligands against Alzheimer's disease: Selective subnanomolar BuChE inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111550.	2.6	21
24	Selenocoumarins as new multitarget antiproliferative agents: Synthesis, biological evaluation and in silico calculations. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 493-501.	2.6	22
25	Design and Synthesis of CNS-targeted Flavones and Analogues with Neuroprotective Potential Against H ₂ O ₂ - and A β 1-42-Induced Toxicity in SH-SY5Y Human Neuroblastoma Cells. <i>Pharmaceuticals</i> , 2019, 12, 98.	1.7	11
26	In silico, NMR and pharmacological evaluation of an hydroxyoxindole cholinesterase inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 354-363.	1.4	11
27	Chalcogen-containing phenolics as antiproliferative agents. <i>Future Medicinal Chemistry</i> , 2018, 10, 319-334.	1.1	9
28	Synthesis of unprecedented steroidal spiro heterocycles as potential antiproliferative drugs. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 21-32.	2.6	19
29	New selenosteroids as antiproliferative agents. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5041-5054.	1.5	42
30	Synthesis and antiproliferative activity of sulfa-Michael adducts and thiochromenes derived from carbohydrates. <i>New Journal of Chemistry</i> , 2017, 41, 3154-3162.	1.4	9
31	Sugar hydrazide imides: a new family of glycosidase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8709-8712.	1.5	5
32	Selenoureas for anion binding as molecular logic gates. <i>Chemical Communications</i> , 2017, 53, 11869-11872.	2.2	20
33	New tacrine dimers with antioxidant linkers as dual drugs: Anti-Alzheimer's and antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 761-773.	2.6	57
34	A Straightforward Access to New Families of Lipophilic Polyphenols by Using Lipolytic Bacteria. <i>PLoS ONE</i> , 2016, 11, e0166561.	1.1	4
35	Selenoureido-minosugars: A new family of multitarget drugs. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 155-160.	2.6	27
36	Design of chalcogen-containing norepinephrines: efficient GPx mimics and strong cytotoxic agents against HeLa cells. <i>Future Medicinal Chemistry</i> , 2016, 8, 2185-2195.	1.1	7

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37	Effects of dietary virgin olive oil polyphenols: hydroxytyrosyl acetate and 3, 4-dihydroxyphenylglycol on DSS-induced acute colitis in mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 513-520.	1.9	60
38	Phenolic thio- and selenosemicarbazones as multi-target drugs. <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 63-72.	2.6	26
39	Diosgenin-based thio(seleno)ureas and triazolyl glycoconjugates as hybrid drugs. Antioxidant and antiproliferative profile. <i>European Journal of Medicinal Chemistry</i> , 2015, 99, 67-81.	2.6	58
40	CHAPTER 3. Synthesis of Organoselenium Derivatives of Biological Relevance. <i>Food and Nutritional Components in Focus</i> , 2015, , 40-64.	0.1	1
41	Eco-friendly preparation of 5-hydroxymethylfurfural from sucrose using ion-exchange resins. <i>Chemical Engineering Science</i> , 2014, 109, 244-250.	1.9	27
42	Phenolic compounds and antioxidant capacity of virgin olive oil. <i>Food Chemistry</i> , 2014, 163, 289-298.	4.2	140
43	Enzyme inhibition by iminosugars: Analysis and insight into the glycosidase's iminosugar dependency of pH. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4755-4761.	1.4	15
44	Synthesis and antioxidant activity of O-alkyl selenocarbamates, selenoureas and selenohydantoins. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 582-592.	1.9	36
45	Glycosidase inhibitors: versatile tools in glycobiology. <i>Carbohydrate Chemistry</i> , 2012, , 215-262.	0.3	18
46	Intramolecular cyclization of alkoxyaminosugars: access to novel glycosidase inhibitor families. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4220.	1.5	4
47	Unprecedented spiro-annelated sugar isoureas, guanidines and amidines as new families of glycosidase inhibitors. <i>RSC Advances</i> , 2012, 2, 11326.	1.7	12
48	l-Isofucoselenofagomine and derivatives: dual activities as antioxidants and as glycosidase inhibitors. <i>Tetrahedron</i> , 2012, 68, 3591-3595.	1.0	18
49	Synthesis of conformationally-constrained thio(seleno)hydantoins and β -triazolyl lactones from d-arabinose as potential glycosidase inhibitors. <i>Tetrahedron</i> , 2012, 68, 4888-4898.	1.0	13
50	A uronic acid analogue of isofagomine lactam as a nanomolar glucuronidase inhibitor. <i>Tetrahedron Letters</i> , 2012, 53, 2045-2047.	0.7	4
51	An Isofagomine Analogue with an Amidine at the Pseudoanomeric Position. <i>Organic Letters</i> , 2011, 13, 2908-2911.	2.4	15
52	Alkoxyamine-cyanoborane adducts: efficient cyanoborane transfer agents. <i>Chemical Communications</i> , 2011, 47, 5617-5619.	2.2	4
53	Complexation of hydroxytyrosol with β -cyclodextrins. An efficient photoprotection. <i>Tetrahedron</i> , 2010, 66, 8006-8011.	1.0	27
54	Spiranic d-gluco-configured N-substituted thiohydantoins as potential enzymatic inhibitors. <i>Tetrahedron</i> , 2010, 66, 9964-9973.	1.0	14

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55	A green procedure for the regio- and chemoselective hydrophosphonylation of unsaturated systems using CaO under solventless conditions. <i>Green Chemistry</i> , 2010, 12, 1171.	4.6	33
56	Synthesis of the First Selenium-Containing Acyclic Nucleosides and Anomeric Spironucleosides from Carbohydrate Precursors. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5239-5246.	1.2	11
57	Synthesis of sugar-derived isoselenocyanates, selenoureas, and selenazoles. <i>Tetrahedron</i> , 2009, 65, 2556-2566.	1.0	62
58	Synthesis and characterization of mercury(II)-sugar thioureas complexes. <i>Polyhedron</i> , 2009, 28, 4039-4043.	1.0	2
59	Difluoromethylenated polyhydroxylated pyrrolidines: facile synthesis, crystal structure and biological evaluation. <i>Future Medicinal Chemistry</i> , 2009, 1, 991-997.	1.1	2
60	Effective synthesis of negatively charged cyclodextrins. Selective access to phosphate cyclodextrins. <i>Tetrahedron</i> , 2008, 64, 7587-7593.	1.0	12
61	cis-Fused bicyclic sugar thiocarbamates. Reactivity towards amines. <i>Tetrahedron</i> , 2008, 64, 11789-11796.	1.0	8
62	Taurine isothiocyanate: a versatile intermediate for the preparation of ureas, thioureas, and guanidines. Taurine-derived cyclodextrins. <i>Tetrahedron Letters</i> , 2008, 49, 3912-3915.	0.7	7
63	Hydroxytyrosol and Derivatives: Isolation, Synthesis, and Biological Properties. <i>Current Organic Chemistry</i> , 2008, 12, 442-463.	0.9	94
64	Click Chemistry - What's in a Name? Triazole Synthesis and Beyond. <i>Synthesis</i> , 2007, 2007, 1589-1620.	1.2	288
65	Glycosidase Inhibitors: Structure, Activity, Synthesis, and Medical Relevance. , 2007, , 815-884.		16
66	Synthesis of Heterocycles from Glycosylamines and Glycosyl Azides. <i>Topics in Heterocyclic Chemistry</i> , 2007, , 31-66.	0.2	5
67	Anomer-Selective Glycosidase Inhibition by 2-N-Alkylated 1-Azafagomines. <i>ChemBioChem</i> , 2007, 8, 657-661.	1.3	14
68	Active Site Protonation of 1-Azafagomine in Glucosidases Studied by Solid-State NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1735-1742.	1.2	8
69	New cup-shaped β -cyclodextrin derivatives and a study of their catalytic properties in oxidation reactions. <i>Tetrahedron</i> , 2007, 63, 8872-8880.	1.0	22
70	Heterocycles from Carbohydrate Isothiocyanates. <i>Topics in Heterocyclic Chemistry</i> , 2006, , 67-100.	0.2	4
71	New synthetic approaches to sugar ureas. Access to ureido- β -cyclodextrins. <i>Tetrahedron</i> , 2005, 61, 9058-9069.	1.0	22
72	Synthesis of O-Unprotected Sugar Isothiocyanates and Their Transformation into Thioureas and Cyclic Isooureas. <i>ChemInform</i> , 2005, 36, no.	0.1	0

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73	New trends in pest control: the search for greener insecticides. <i>Green Chemistry</i> , 2005, 7, 431.	4.6	79
74	Synthesis of O -unprotected glycosyl selenoureas. A new access to bicyclic sugar isoureas. <i>Tetrahedron Letters</i> , 2004, 45, 4081-4084.	0.7	59
75	Simple and efficient synthesis of O-unprotected glycosyl thiourea and isourea derivatives from glycosylamines. <i>Tetrahedron</i> , 2004, 60, 61-72.	1.0	30
76	Conformational Effects on Glycoside Reactivity: A Study of the High Reactive Conformer of Glucose. <i>Journal of the American Chemical Society</i> , 2004, 126, 12374-12385.	6.6	82
77	A facile access to ureido sugars. Synthesis of urea-bridged β -cyclodextrins. <i>Tetrahedron Letters</i> , 2003, 44, 8539-8543.	0.7	19
78	Synthesis of furan 4 β -thio-C-nucleosides, their methylsulfonium and sulfoxide derivatives. Evaluation as glycosidase inhibitors. <i>Tetrahedron</i> , 2003, 59, 2801-2809.	1.0	11
79	Aziridines as a structural motif to conformational restriction of azasugars. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 478-482.	1.5	13
80	Titanium Tetraisopropoxide. <i>Synlett</i> , 2003, 2003, 2261-2262.	1.0	2
81	Expeditious synthesis of cyclic isourea derivatives of β -D-glucopyranosylamine. <i>Tetrahedron Letters</i> , 2002, 43, 4313-4316.	0.7	15
82	A practical one-pot synthesis of O-unprotected glycosyl thioureas. <i>Tetrahedron Letters</i> , 2001, 42, 5413-5416.	0.7	20
83	Stereoselective synthesis of imidazolidine, imidazoline and imidazole C- and N-pseudonucleosides. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3011-3023.	1.8	20
84	Strong Synthesis of fluorescent O-Coumarin glycosides as Potential drug delivery systems for MAO inhibitors. , 0, , .		0
85	Survey of New, Small-Molecule Isatin-Based Oxindole Hybrids as Multi-Targeted Drugs for the Treatment of Alzheimer's Disease. <i>Synthesis</i> , 0, , .	1.2	4