# Luis Gales

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6392405/publications.pdf

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|---|---|---|---|
| 104 papers | 2,889 citations | 126858 33 h-index | 214721 47 g-index |
| 107 all docs | 107 docs citations | 107 times ranked | 3844 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cyanobacterial Extracellular Polymeric Substances (EPS). , 2022, , 139-165. | | 6 |
| 2 | Understanding the complex rheology of human blood plasma. Journal of Rheology, 2022, 66, 761-774. | 1.3 | 7 |
| 3 | 1,3-Dioxepine and spiropyran derivatives of viomellein and other dimeric naphthopyranones from cultures of Aspergillus elegans KUFA0015 and their antibacterial activity. Phytochemistry, 2021, 181, 112575. | 1.4 | 7 |
| 4 | Surface activation of medical grade polyurethane for the covalent immobilization of an anti-adhesive biopolymeric coating. Journal of Materials Chemistry B, 2021, 9, 3705-3715. | 2.9 | 8 |
| 5 | Biocompatibility of the Biopolymer Cyanoflan for Applications in Skin Wound Healing. Marine Drugs, 2021, 19, 147. | 2.2 | 10 |
| 6 | Semi-Synthesis of Small Molecules of Aminocarbazoles: Tumor Growth Inhibition and Potential Impact on p53. Molecules, 2021, 26, 1637. | 1.7 | 4 |
| 7 | Tetracyclic Thioxanthene Derivatives: Studies on Fluorescence and Antitumor Activity. Molecules, 2021, 26, 3315. | 1.7 | 2 |
| 8 | Antimicrobial Activity of a Library of Thioxanthones and Their Potential as Efflux Pump Inhibitors. Pharmaceuticals, 2021, 14, 572. | 1.7 | 11 |
| 9 | Determination of the Absolute Configuration of Bioactive Indole-Containing Pyrazino[2,1-b]quinazoline-3,6-diones and Study of Their In Vitro Metabolic Profile. Molecules, 2021, 26, 5070. | 1.7 | 3 |
| 10 | AÎ²<sub>31â€“35</sub> Decreases Neprilysin-Mediated Alzheimerâ€™s Amyloid-Î² Peptide Degradation. ACS Chemical Neuroscience, 2021, 12, 3708-3718. | 1.7 | 4 |
| 11 | Targeting transthyretin in Alzheimer's disease: Drug discovery of small-molecule chaperones as disease-modifying drug candidates for Alzheimer's disease. European Journal of Medicinal Chemistry, 2021, 226, 113847. | 2.6 | 15 |
| 12 | Cyanobacterial Extracellular Polymeric Substances (EPS). , 2021, , 1-28. | | 2 |
| 13 | New chiral stationary phases for liquid chromatography based on small molecules: Development, enantioresolution evaluation and chiral recognition mechanisms. Chirality, 2020, 32, 81-97. | 1.3 | 10 |
| 14 | Cyanoflan: A cyanobacterial sulfated carbohydrate polymer with emulsifying properties. Carbohydrate Polymers, 2020, 229, 115525. | 5.1 | 36 |
| 15 | Repurposing Benzbromarone for Familial Amyloid Polyneuropathy: A New Transthyretin Tetramer Stabilizer. International Journal of Molecular Sciences, 2020, 21, 7166. | 1.8 | 15 |
| 16 | Dissection of the key steps of amyloid-Î² peptide 1â€“40 fibrillogenesis. International Journal of Biological Macromolecules, 2020, 164, 2240-2246. | 3.6 | 6 |
| 17 | Metalâ€“organic frameworks: a future toolbox for biomedicine?. Chemical Society Reviews, 2020, 49, 9121-9153. | 18.7 | 130 |
| 18 | Natural Cyanobacterial Polymer-Based Coating as a Preventive Strategy to Avoid Catheter-Associated Urinary Tract Infections. Marine Drugs, 2020, 18, 279. | 2.2 | 18 |

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|---|---|---|---|
| 19 | Synthesis of a Small Library of Nature-Inspired Xanthones and Study of Their Antimicrobial Activity. Molecules, 2020, 25, 2405. | 1.7 | 21 |
| 20 | Fluorescence properties of the amyloid indicator dye thioflavin T in constrained environments. Dyes and Pigments, 2019, 160, 64-70. | 2.0 | 8 |
| 21 | Erubescensoic Acid, a New Polyketide and a Xanthonopyrone SPF-3059-26 from the Culture of the Marine Sponge-Associated Fungus Penicillium erubescens KUFA 0220 and Antibacterial Activity Evaluation of Some of Its Constituents. Molecules, 2019, 24, 208. | 1.7 | 16 |
| 22 | Clinical and Genetic Analysis of Children with Kartagener Syndrome. Cells, 2019, 8, 900. | 1.8 | 26 |
| 23 | Mesoporous Metalâ€“Organic Frameworks as Effective Nucleating Agents in Protein Crystallography. Crystal Growth and Design, 2019, 19, 1610-1615. | 1.4 | 12 |
| 24 | The role of the tyrosine kinase Wzc (Sll0923) and the phosphatase Wzb (Slr0328) in the production of extracellular polymeric substances (EPS) by Synechocystis PCC 6803. MicrobiologyOpen, 2019, 8, e00753. | 1.2 | 26 |
| 25 | Tegsedi (Inotersen): An Antisense Oligonucleotide Approved for the Treatment of Adult Patients with Hereditary Transthyretin Amyloidosis. Pharmaceuticals, 2019, 12, 78. | 1.7 | 36 |
| 26 | Broad-Spectrum Anti-Adhesive Coating Based on an Extracellular Polymer from a Marine Cyanobacterium. Marine Drugs, 2019, 17, 243. | 2.2 | 16 |
| 27 | Comparative genomics reveals a novel genetic organization of the sad cluster in the sulfonamide-degrader â€˜Candidatus Leucobacter sulfamidivoraxâ€™ strain GP. BMC Genomics, 2019, 20, 885. | 1.2 | 13 |
| 28 | Nitric Oxide Release from Antimicrobial Peptide Hydrogels for Wound Healing. Biomolecules, 2019, 9, 4. | 1.8 | 29 |
| 29 | The alternative sigma factor SigF is a key player in the control of secretion mechanisms in Synechocystis sp. PCC 6803. Environmental Microbiology, 2019, 21, 343-359. | 1.8 | 29 |
| 30 | Alzheimer's AÎ²<sub>1â€40</sub> peptide degradation by thermolysin: evidence of inhibition by a Câ€terminal AÎ² product. FEBS Letters, 2019, 593, 128-137. | 1.3 | 6 |
| 31 | Application of a cyanobacterial extracellular polymeric substance in the microencapsulation of vitamin B12. Powder Technology, 2019, 343, 644-651. | 2.1 | 42 |
| 32 | Bis-Indolyl Benzenoids, Hydroxypyrrolidine Derivatives and Other Constituents from Cultures of the Marine Sponge-Associated Fungus Aspergillus candidus KUFA0062. Marine Drugs, 2018, 16, 119. | 2.2 | 48 |
| 33 | Transport Properties of Light Gases in Nanochannels of Lâ€“Leuâ€Lâ€Ser Dipeptide Crystals: A Comparative Study by Molecular Dynamics Simulations. ChemistrySelect, 2018, 3, 5517-5525. | 0.7 | 3 |
| 34 | Chromone Derivatives and Other Constituents from Cultures of the Marine Sponge-Associated Fungus Penicillium erubescens KUFA0220 and Their Antibacterial Activity. Marine Drugs, 2018, 16, 289. | 2.2 | 18 |
| 35 | Cyanobacterium-Derived Extracellular Carbohydrate Polymer for the Controlled Delivery of Functional Proteins. Macromolecular Bioscience, 2017, 17, 1600206. | 2.1 | 19 |
| 36 | Design and preparation of biomimetic and bioinspired materials. , 2017, , 1-44. | | 3 |

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|---|---|---|---|
| 37 | A New Ergosterol Analog, a New Bis-Anthraquinone and Anti-Obesity Activity of Anthraquinones from the Marine Sponge-Associated Fungus Talaromyces stipitatus KUFA 0207. Marine Drugs, 2017, 15, 139. | 2.2 | 41 |
| 38 | A New Dihydrochromone Dimer and Other Secondary Metabolites from Cultures of the Marine Sponge-Associated Fungi Neosartorya fennelliae KUFA 0811 and Neosartorya tsunodae KUFC 9213. Marine Drugs, 2017, 15, 375. | 2.2 | 33 |
| 39 | Antibacterial and antibiofilm activities of the metabolites isolated from the culture of the mangrove-derived endophytic fungus Eurotium chevalieri KUFA 0006. Phytochemistry, 2017, 141, 86-97. | 1.4 | 67 |
| 40 | New Polyketides and New Benzoic Acid Derivatives from the Marine Sponge-Associated Fungus Neosartorya quadricincta KUFA 0081. Marine Drugs, 2016, 14, 134. | 2.2 | 23 |
| 41 | New Cyclotetrapeptides and a New Diketopiperzine Derivative from the Marine Sponge-Associated Fungus Neosartorya glabra KUFA 0702. Marine Drugs, 2016, 14, 136. | 2.2 | 34 |
| 42 | Released polysaccharides (RPS) from Cyanothece sp. CCY 0110 as biosorbent for heavy metals bioremediation: interactions between metals and RPS binding sites. Applied Microbiology and Biotechnology, 2016, 100, 7765-7775. | 1.7 | 72 |
| 43 | Production of orotic acid by a Klura3 Î" mutant of Kluyveromyces lactis. Journal of Bioscience and Bioengineering, 2016, 121, 625-630. | 1.1 | 8 |
| 44 | Secondary Metabolites from the Culture of the Marine Sponge-Associated Fungi Talaromyces tratensis and Sporidesmium circinophorum. Planta Medica, 2016, 82, 888-896. | 0.7 | 20 |
| 45 | Production of microparticles of molinate degrading biocatalysts using the spray drying technique. Chemosphere, 2016, 161, 61-68. | 4.2 | 9 |
| 46 | Kinetic derivation of common isotherm equations for surface and micropore adsorption. Adsorption, 2016, 22, 963-971. | 1.4 | 21 |
| 47 | A surface thermodynamics approach to modelling single-file adsorption in ultramicroporous materials. Microporous and Mesoporous Materials, 2016, 225, 543-551. | 2.2 | 2 |
| 48 | Phylum-wide analysis of genes/proteins related to the last steps of assembly and export of extracellular polymeric substances (EPS) in cyanobacteria. Scientific Reports, 2015, 5, 14835. | 1.6 | 85 |
| 49 | A New Meroditerpene and a New Tryptoquivaline Analog from the Algicolous Fungus Neosartorya takakii KUFC 7898. Marine Drugs, 2015, 13, 3776-3790. | 2.2 | 35 |
| 50 | Effects of heavy metals on Cyanothece sp. CCY 0110 growth, extracellular polymeric substances (EPS) production, ultrastructure and protein profiles. Journal of Proteomics, 2015, 120, 75-94. | 1.2 | 95 |
| 51 | Decreasing the toxicity of paraquat through the complexation with sodium salicylate: Stoichiometric analysis. Toxicology, 2015, 336, 96-98. | 2.0 | 3 |
| 52 | <scp>HesF</scp>, an exoprotein required for filament adhesion and aggregation in <scp>A</scp>nabaena sp. <scp>PCC</scp> 7120. Environmental Microbiology, 2015, 17, 1631-1648. | 1.8 | 28 |
| 53 | Structure-Guided Engineering of Molinate Hydrolase for the Degradation of Thiocarbamate Pesticides. PLoS ONE, 2015, 10, e0123430. | 1.1 | 3 |
| 54 | Peptide Self-Assembly for Therapeutic Applications. Current Organic Chemistry, 2015, 19, 1874-1881. | 0.9 | 5 |

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| 55 | New Isocoumarin Derivatives and Meroterpenoids from the Marine Sponge-Associated Fungus Aspergillus similanensis sp. nov. KUFA 0013. Marine Drugs, 2014, 12, 5160-5173. | 2.2 | 70 |
| 56 | Molecular Tweezers Targeting Transthyretin Amyloidosis. Neurotherapeutics, 2014, 11, 450-461. | 2.1 | 41 |
| 57 | Thyroid hormones, iodine and iodides, and antithyroid drugs. Side Effects of Drugs Annual, 2014, , 747-761. | 0.6 | 2 |
| 58 | Hydrophobic dipeptide crystals: a promising Ag-free class of ultramicroporous materials showing argon/oxygen adsorption selectivity. Physical Chemistry Chemical Physics, 2014, 16, 19386-19393. | 1.3 | 12 |
| 59 | Toward the Construction of 3D Dipeptideâ€“Metal Frameworks. Crystal Growth and Design, 2014, 14, 4777-4780. | 1.4 | 17 |
| 60 | Production and characterization of extracellular carbohydrate polymer from Cyanothece sp. CCY 0110. Carbohydrate Polymers, 2013, 92, 1408-1415. | 5.1 | 89 |
| 61 | Pyranoxanthones: Synthesis, growth inhibitory activity on human tumor cell lines and determination of their lipophilicity in two membrane models. European Journal of Medicinal Chemistry, 2013, 69, 798-816. | 2.6 | 34 |
| 62 | Keratins and lipids in ethnic hair. International Journal of Cosmetic Science, 2013, 35, 244-249. | 1.2 | 47 |
| 63 | Assembly and Export of Extracellular Polymeric Substances (EPS) in Cyanobacteria. Advances in Botanical Research, 2013, 65, 235-279. | 0.5 | 28 |
| 64 | Guest diffusion in dipeptide crystals. CrystEngComm, 2013, 15, 1532-1535. | 1.3 | 7 |
| 65 | Permeation of Light Gases through Hexagonal Ice. Materials, 2012, 5, 1593-1601. | 1.3 | 6 |
| 66 | Peptide-based solids: porosity and zeolitic behavior. Journal of Materials Chemistry, 2012, 22, 1709-1723. | 6.7 | 50 |
| 67 | Eurocristatine, a new diketopiperazine dimer from the marine sponge-associated fungus Eurotium cristatum. Phytochemistry Letters, 2012, 5, 717-720. | 0.6 | 55 |
| 68 | Sartorymensin, a new indole alkaloid, and new analogues of tryptoquivaline and fiscalins produced by Neosartorya siamensis (KUFC 6349). Tetrahedron, 2012, 68, 3253-3262. | 1.0 | 67 |
| 69 | Small temperature oscillations promote protein crystallization. CrystEngComm, 2011, 13, 3051. | 1.3 | 12 |
| 70 | Sartoryglabrins, Analogs of Ardeemins, from Neosartorya Glabra. Natural Product Communications, 2011, 6, 1934578X1100600. | 0.2 | 9 |
| 71 | Structural insights into a zinc-dependent pathway leading to Leu55Pro transthyretin amyloid fibrils. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 1035-1044. | 2.5 | 15 |
| 72 | Prenylated derivatives of baicalein and 3,7-dihydroxyflavone: Synthesis and study of their effects on tumor cell lines growth, cell cycle and apoptosis. European Journal of Medicinal Chemistry, 2011, 46, 2562-2574. | 2.6 | 62 |

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| 73 | Gulosibacter molinativorax ON4 <sup>T</sup> Molinate Hydrolase, a Novel Cobalt-Dependent Amidohydrolase. Journal of Bacteriology, 2011, 193, 5810-5816. | 1.0 | 21 |
| 74 | Sartoryglabrins, analogs of ardeemins, from Neosartorya glabra. Natural Product Communications, 2011, 6, 807-12. | 0.2 | 18 |
| 75 | Dipeptide Crystals as Excellent Permselective Materials: Sequential Exclusion of Argon, Nitrogen, and Oxygen. Angewandte Chemie - International Edition, 2010, 49, 3034-3036. | 7.2 | 61 |
| 76 | Alkali free hydrolysis of sodium borohydride for hydrogen generation under pressure. International Journal of Hydrogen Energy, 2010, 35, 9869-9878. | 3.8 | 37 |
| 77 | Effects of the addition of an organic polymer on the hydrolysis of sodium tetrahydroborate in batch reactors. International Journal of Hydrogen Energy, 2010, 35, 11456-11469. | 3.8 | 16 |
| 78 | Potential use of ultrasound to promote protein crystallization. Journal of Applied Crystallography, 2010, 43, 1419-1425. | 1.9 | 39 |
| 79 | Experimental and Computational Studies on the Structural and Thermodynamic Properties of Two Sulfur Heterocyclic Keto Compounds. Journal of Chemical & Engineering Data, 2010, 55, 5009-5017. | 1.0 | 22 |
| 80 | Iodine Atoms: A New Molecular Feature for the Design of Potent Transthyretin Fibrillogenesis Inhibitors. PLoS ONE, 2009, 4, e4124. | 1.1 | 51 |
| 81 | The coexistence of ankylosing spondylitis and diffuse idiopathic skeletal hyperostosisâ€”a postmortem diagnosis. Clinical Rheumatology, 2009, 28, 353-356. | 1.0 | 10 |
| 82 | Bromoalkoxyxanthones as promising antitumor agents: Synthesis, crystal structure and effect on human tumor cell lines. European Journal of Medicinal Chemistry, 2009, 44, 3830-3835. | 2.6 | 34 |
| 83 | 1-Hydroxy-3-(3-methylbut-2-enyloxy)xanthone. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2718-o2719. | 0.2 | 0 |
| 84 | Iodination of salicylic acid improves its binding to transthyretin. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 512-517. | 1.1 | 16 |
| 85 | Merodrimanes and Other Constituents from Talaromyces thailandiasis. Journal of Natural Products, 2007, 70, 1200-1202. | 1.5 | 48 |
| 86 | Structural basis for the protective role of sulfite against transthyretin amyloid formation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 59-64. | 1.1 | 24 |
| 87 | Dihydroxyxanthones prenylated derivatives: Synthesis, structure elucidation, and growth inhibitory activity on human tumor cell lines with improvement of selectivity for MCF-7. Bioorganic and Medicinal Chemistry, 2007, 15, 6080-6088. | 1.4 | 51 |
| 88 | Energetic and structural characterization of 2-R-3-methylquinoxaline-1,4-dioxides (Râ€‰=â€‰benzoyl) Tj ETQq0 0 0 rgBT /Overlock 10 Chemistry, 2007, 20, 491-498. | 0.9 | 10 |
| 89 | The Crystal and Solution Structures of Glyceraldehyde-3-phosphate Dehydrogenase Reveal Different Quaternary Structures. Journal of Biological Chemistry, 2006, 281, 33433-33440. | 1.6 | 34 |
| 90 | Human transthyretin in complex with iododiflunisal: structural features associated with a potent amyloid inhibitor. Biochemical Journal, 2005, 388, 615-621. | 1.7 | 53 |

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| 91 | The binding of xanthone derivatives to transthyretin. Biochemical Pharmacology, 2005, 70, 1861-1869. | 2.0 | 30 |
| 92 | 3,4-Dihydroxy-9H-xanthen-9-one trihydrate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2213-o2215. | 0.2 | 2 |
| 93 | Small Transthyretin (TTR) Ligands as Possible Therapeutic Agents in TTR Amyloidoses. CNS and Neurological Disorders, 2005, 4, 587-596. | 4.3 | 54 |
| 94 | Xanthones-A Structural Perspective. Current Medicinal Chemistry, 2005, 12, 2499-2515. | 1.2 | 57 |
| 95 | Towards a Structural Understanding of the Fibrillization Pathway in Machado-Joseph's Disease: Trapping Early Oligomers of Non-expanded Ataxin-3. Journal of Molecular Biology, 2005, 353, 642-654. | 2.0 | 68 |
| 96 | Lanostanes and friedolanostanes from the bark of Garcinia speciosa. Phytochemistry, 2004, 65, 393-398. | 1.4 | 25 |
| 97 | Bioactive Friedolanostanes and 11(10â†'8)-Abeolanostanes from the Bark ofGarciniaspeciosa. Journal of Natural Products, 2004, 67, 2043-2047. | 1.5 | 13 |
| 98 | Recovery of acetone, ethyl acetate and ethanol by thermal pressure swing adsorption. Chemical Engineering Science, 2003, 58, 5279-5289. | 1.9 | 31 |
| 99 | X-ray Absorption Spectroscopy Reveals a Substantial Increase of Sulfur Oxidation in Transthyretin (TTR) upon Fibrillization. Journal of Biological Chemistry, 2003, 278, 11654-11660. | 1.6 | 18 |
| 100 | Removal of acetone, ethyl acetate and ethanol vapors from air using a hollow fiber PDMS membrane module. Journal of Membrane Science, 2002, 197, 211-222. | 4.1 | 56 |
| 101 | Tetillapyrone and Nortetillapyrone, Two Unusual Hydroxypyran-2-ones from the Marine SpongeTetillajaponica. Journal of Natural Products, 2001, 64, 1056-1058. | 1.5 | 25 |
| 102 | Naturally occurring 1,2,8-trimethoxyxanthone and biphenyl ether intermediates leading to 1,2-dimethoxyxanthone. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1319-1323. | 0.4 | 12 |
| 103 | Synthesis of chiral (7R)-[Î·6-5-(N,N-dimethylamino)-7-formyl-1,3-benzodioxole]chromium complex and its application in the synthesis of optically active cis-Î²-lactams. Journal of Organometallic Chemistry, 2001, 632, 27-40. | 0.8 | 15 |
| 104 | Hysteresis in the cyclic adsorption of acetone, ethanol and ethyl acetate on activated carbon. Carbon, 2000, 38, 1083-1088. | 5.4 | 52 |