

Laura Baldoma

List of Publications by Year in descending order

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papers

2,703
citations

186209

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Intestinal Anti-inflammatory Effects of Outer Membrane Vesicles from <i>Escherichia coli</i> Nissle 1917 in DSS-Experimental Colitis in Mice. <i>Frontiers in Microbiology</i> , 2017, 8, 1274.	1.5	145
2	The Gene <i>yjcG</i> , Cotranscribed with the Gene <i>acs</i> , Encodes an Acetate Permease in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2003, 185, 6448-6455.	1.0	140
3	Role of secreted glyceraldehyde-3-phosphate dehydrogenase in the infection mechanism of enterohemorrhagic and enteropathogenic <i>Escherichia coli</i> : Interaction of the extracellular enzyme with human plasminogen and fibrinogen. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1190-1203.	1.2	137
4	Outer Membrane Vesicles and Soluble Factors Released by Probiotic <i>Escherichia coli</i> Nissle 1917 and Commensal ECOR63 Enhance Barrier Function by Regulating Expression of Tight Junction Proteins in Intestinal Epithelial Cells. <i>Frontiers in Microbiology</i> , 2016, 7, 1981.	1.5	134
5	Outer Membrane Vesicles From Probiotic and Commensal <i>Escherichia coli</i> Activate NOD1-Mediated Immune Responses in Intestinal Epithelial Cells. <i>Frontiers in Microbiology</i> , 2018, 9, 498.	1.5	120
6	Outer Membrane Vesicles from the Probiotic <i>Escherichia coli</i> Nissle 1917 and the Commensal ECOR12 Enter Intestinal Epithelial Cells via Clathrin-Dependent Endocytosis and Elicit Differential Effects on DNA Damage. <i>PLoS ONE</i> , 2016, 11, e0160374.	1.1	102
7	Microbiota-derived extracellular vesicles in interkingdom communication in the gut. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12161.	5.5	102
8	Proteomic analysis of outer membrane vesicles from the probiotic strain <i>Escherichia coli</i> Nissle 1917. <i>Proteomics</i> , 2014, 14, 222-229.	1.3	81
9	Crystal Structure of an Iron-Dependent Group III Dehydrogenase That Interconverts L-Lactaldehyde and L-1,2-Propanediol in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2005, 187, 4957-4966.	1.0	76
10	Platinum(II) and palladium(II) complexes with (N,N ²) and (C,N,N ²) ⁺ ligands derived from pyrazole as anticancer and antimalarial agents: Synthesis, characterization and in vitro activities. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1720-1728.	1.5	75
11	Transport of L-Lactate, D-Lactate, and Glycolate by the LldP and GlcA Membrane Carriers of <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 824-829.	1.0	73
12	Cross-induction of <i>glc</i> and <i>ace</i> Operons of <i>Escherichia coli</i> Attributable to Pathway Intersection. <i>Journal of Biological Chemistry</i> , 1999, 274, 1745-1752.	1.6	66
13	Molecular Characterization of <i>Escherichia coli</i> Malate Synthase G. Differentiation with the Malate Synthase A Isoenzyme. <i>FEBS Journal</i> , 1994, 224, 541-548.	0.2	64
14	Dual Role of LldR in Regulation of the <i>lldPRD</i> Operon, Involved in L-Lactate Metabolism in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2008, 190, 2997-3005.	1.0	62
15	Role of 2-Phosphoglycolate Phosphatase of <i>Escherichia coli</i> in Metabolism of the 2-Phosphoglycolate Formed in DNA Repair. <i>Journal of Bacteriology</i> , 2003, 185, 5815-5821.	1.0	57
16	Extracellular vesicles and soluble factors secreted by <i>Escherichia coli</i> Nissle 1917 and ECOR63 protect against enteropathogenic <i>E. coli</i> -induced intestinal epithelial barrier dysfunction. <i>BMC Microbiology</i> , 2019, 19, 166.	1.3	57
17	Secretion of the housekeeping protein glyceraldehyde-3-phosphate dehydrogenase by the LEE-encoded type III secretion system in enteropathogenic <i>Escherichia coli</i> . <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 955-962.	1.2	48
18	Regulation of the <i>Escherichia coli</i> Allantoin Regulon: Coordinated Function of the Repressor AllR and the Activator AllS. <i>Journal of Molecular Biology</i> , 2002, 324, 599-610.	2.0	43

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19	Membrane Vesicles Released by a hypervesiculating <i>Escherichia coli</i> Nissle 1917 tolR Mutant Are Highly Heterogeneous and Show Reduced Capacity for Epithelial Cell Interaction and Entry. <i>PLoS ONE</i> , 2016, 11, e0169186.	1.1	42
20	Ocular penetration of fluorometholone-loaded PEG-PLGA nanoparticles functionalized with cell-penetrating peptides. <i>Nanomedicine</i> , 2019, 14, 3089-3104.	1.7	41
21	A Common Regulator for the Operons Encoding the Enzymes Involved in d-Galactarate, d-Glucarate, and d-Glycerate Utilization in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2000, 182, 2672-2674.	1.0	39
22	The <i>hpx</i> Genetic System for Hypoxanthine Assimilation as a Nitrogen Source in <i>Klebsiella pneumoniae</i> : Gene Organization and Transcriptional Regulation. <i>Journal of Bacteriology</i> , 2008, 190, 7892-7903.	1.0	38
23	Seven-membered cycloplatinated complexes as a new family of anticancer agents. X-ray characterization and preliminary biological studies. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 557-566.	2.6	37
24	Identification of the rhaA, rhaB and rhaD gene products from <i>Escherichia coli</i> K-12. <i>FEMS Microbiology Letters</i> , 1989, 65, 253-257.	0.7	35
25	Regulation of Expression of the Divergent ulaG and ulaABCDEF Operons Involved in l-Ascorbate Dissimilation in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2004, 186, 1720-1728.	1.0	33
26	Cyclopalladated benzophenone imines: Synthesis, cytotoxicity against human breast adenocarcinoma cell lines and DNA interaction. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 289-296.	0.8	32
27	Molecular Architecture of the Mn ²⁺ -dependent Lactonase UlaG Reveals an RNase-like Metallo-β ² -lactamase Fold and a Novel Quaternary Structure. <i>Journal of Molecular Biology</i> , 2010, 398, 715-729.	2.0	31
28	Protein interaction studies point to new functions for <i>Escherichia coli</i> glyceraldehyde-3-phosphate dehydrogenase. <i>Research in Microbiology</i> , 2013, 164, 145-154.	1.0	31
29	Membrane vesicles from the probiotic Nissle 1917 and gut resident <i>Escherichia coli</i> strains distinctly modulate human dendritic cells and subsequent T cell responses. <i>Journal of Functional Foods</i> , 2019, 61, 103495.	1.6	31
30	Quaternary Structural Transitions in the DeoR-Type Repressor UlaR Control Transcriptional Readout from the <i>scp</i> -Ascorbate Utilization Regulon in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2008, 47, 11424-11433.	1.2	30
31	Diastereomerically pure platinum(II) complexes as antitumoral agents.. <i>Journal of Inorganic Biochemistry</i> , 2013, 118, 1-12.	1.5	30
32	Proteomic profile of extracellular vesicles released by <i>Lactiplantibacillus plantarum</i> BGAN8 and their internalization by non-polarized HT29 cell line. <i>Scientific Reports</i> , 2020, 10, 21829.	1.6	29
33	Development of Lactoferrin-Loaded Liposomes for the Management of Dry Eye Disease and Ocular Inflammation. <i>Pharmaceutics</i> , 2021, 13, 1698.	2.0	28
34	Aerobic l-ascorbate metabolism and associated oxidative stress in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 3399-3408.	0.7	27
35	Cyclopalladated and cycloplatinated benzophenone imines: Antitumor, antibacterial and antioxidant activities, DNA interaction and cathepsin B inhibition. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 80-88.	1.5	27
36	Cell-to-Cell Communication by Host-Released Extracellular Vesicles in the Gut: Implications in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2213.	1.8	27

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37	Neutral and ionic platinum compounds containing a cyclometallated chiral primary amine: synthesis, antitumor activity, DNA interaction and topoisomerase α -cathepsin B inhibition. Dalton Transactions, 2015, 44, 13602-13614.	1.6	26
38	Regulation of Expression of the <i>yiaKLMNOPQRS</i> Operon for Carbohydrate Utilization in <i>Escherichia coli</i> : Involvement of the Main Transcriptional Factors. Journal of Bacteriology, 2000, 182, 4617-4624.	1.0	25
39	Exploring the Scope of $[Pt^{II}(4-FC)_2H_4]^{2+}$ as a Precursor for New Organometallic Platinum(II) and Platinum(IV) Antitumor Agents. Organometallics, 2014, 33, 1740-1750.	1.1	25
40	Glyceraldehyde-3-phosphate dehydrogenase is required for efficient repair of cytotoxic DNA lesions in <i>Escherichia coli</i> . International Journal of Biochemistry and Cell Biology, 2015, 60, 202-212.	1.2	24
41	The secreted autotransporter toxin (Sat) does not act as a virulence factor in the probiotic <i>Escherichia coli</i> strain Nissle 1917. BMC Microbiology, 2015, 15, 250.	1.3	23
42	Biochemical characterization of the 2-ketoacid reductases encoded by <i>ycdW</i> and <i>yiaE</i> genes in <i>Escherichia coli</i> . Biochemical Journal, 2001, 354, 707.	1.7	23
43	Pt(II) complexes with (N,N ϵ^2) or (C,N,E) ϵ^2 (E=N,S) ligands: Cytotoxic studies, effect on DNA tertiary structure and structure-activity relationships. Bioorganic and Medicinal Chemistry, 2013, 21, 4210-4217.	1.4	22
44	The <i>yiaK-LX1X2PQRS</i> and <i>ulaABCDEF</i> Gene Systems Are Required for the Aerobic Utilization of γ -Ascorbate in <i>Klebsiella pneumoniae</i> Strain 13882 with γ -Ascorbate-6-Phosphate as the Inducer. Journal of Bacteriology, 2008, 190, 6615-6624.	1.0	21
45	A New Family of Doubly Cyclopalladated Diimines. A Remarkable Effect of the Linker between the Metalated Units on Their Cytotoxicity. Organometallics, 2014, 33, 2862-2873.	1.1	21
46	Synthesis, characterization and biological activity of new cyclometallated platinum(IV) iodo complexes. Dalton Transactions, 2017, 46, 14973-14987.	1.6	21
47	Cyclopalladated primary amines: A preliminary study of antiproliferative activity through apoptosis induction. European Journal of Medicinal Chemistry, 2014, 84, 530-536.	2.6	20
48	A Rare 920-Kilobase Chromosomal Inversion Mediated by IS1 Transposition Causes Constitutive Expression of the <i>yiaK-S</i> Operon for Carbohydrate Utilization in <i>Escherichia coli</i> . Journal of Biological Chemistry, 1998, 273, 8376-8381.	1.6	18
49	On the stability and biological behavior of cyclometallated Pt(IV) complexes with halido and aryl ligands in the axial positions. Bioorganic and Medicinal Chemistry, 2016, 24, 5804-5815.	1.4	17
50	The Gene <i>yjfQ</i> Encodes the Repressor of the <i>yjfR-X</i> Regulon (<i>ula</i>), Which Is Involved in γ -Ascorbate Metabolism in <i>Escherichia coli</i> . Journal of Bacteriology, 2002, 184, 6065-6068.	1.0	16
51	Platinacycles Containing a Primary Amine Platinum(II) Compounds for Treating Cisplatin-Resistant Cancers by Oxidant Therapy. Organometallics, 2018, 37, 3502-3514.	1.1	16
52	Transcriptomic microRNA Profiling of Dendritic Cells in Response to Gut Microbiota-Secreted Vesicles. Cells, 2020, 9, 1534.	1.8	15
53	Surface-Modified Multifunctional Thymol-Loaded Biodegradable Nanoparticles for Topical Acne Treatment. Pharmaceutics, 2021, 13, 1501.	2.0	15
54	Modulation of Dendritic Cells by Microbiota Extracellular Vesicles Influences the Cytokine Profile and Exosome Cargo. Nutrients, 2022, 14, 344.	1.7	15

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55	Aldehyde dehydrogenase induction by glutamate in <i>Escherichia coli</i> . Role of 2-oxoglutarate. <i>FEBS Journal</i> , 1991, 202, 1321-1325.	0.2	14
56	Enantioselective synthesis of 1-deoxy- <i>D</i> -gulonojirimycin from a phenylglycinol-derived lactam. <i>Tetrahedron Letters</i> , 2004, 45, 5355-5358.	0.7	14
57	A critical phosphate concentration in the stationary phase maintains <i>ndh</i> gene expression and aerobic respiratory chain activity in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2008, 284, 76-83.	0.7	14
58	Role of the <i>yiaR</i> and <i>yiaS</i> Genes of <i>Escherichia coli</i> in Metabolism of Endogenously Formed L-Xylulose. <i>Journal of Bacteriology</i> , 2000, 182, 4625-4627.	1.0	12
59	The <i>glcB</i> locus of <i>Rhizobium leguminosarum</i> VF39 encodes an arabinose-inducible malate synthase. <i>Canadian Journal of Microbiology</i> , 2002, 48, 922-932.	0.8	12
60	Multifunctional Serine Protease Inhibitor-Coated Water-Soluble Gold Nanoparticles as a Novel Targeted Approach for the Treatment of Inflammatory Skin Diseases. <i>Bioconjugate Chemistry</i> , 2018, 29, 1060-1072.	1.8	10
61	Transcriptional Regulation of the Gene Cluster Encoding Allantoinase and Guanine Deaminase in <i>Klebsiella pneumoniae</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2197-2207.	1.0	9
62	Inactivation of propanediol oxidoreductase of <i>Escherichia coli</i> by metal-catalyzed oxidation. <i>BBA - Proteins and Proteomics</i> , 1992, 1118, 155-160.	2.1	8
63	Increased production of the ether-lipid platelet-activating factor in intestinal epithelial cells infected by <i>Salmonella enteritidis</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 270-276.	1.2	8
64	Luminescent Pt II and Pt IV Platinacycles with Anticancer Activity Against Multiplatinum-Resistant Metastatic CRC and CRPC Cell Models. <i>Chemistry - A European Journal</i> , 2020, 26, 1947-1952.	1.7	8
65	Effect of Penetration Enhancers and Safety on the Transdermal Delivery of Apremilast in Skin. <i>Pharmaceutics</i> , 2022, 14, 1011.	2.0	8
66	The UlaG protein family defines novel structural and functional motifs grafted on an ancient RNase fold. <i>BMC Evolutionary Biology</i> , 2011, 11, 273.	3.2	7
67	Trans- and cis-2-phenylindole platinum(II) complexes as cytotoxic agents against human breast adenocarcinoma cell lines. <i>Journal of Molecular Structure</i> , 2013, 1048, 88-97.	1.8	7
68	Endo and exo cyclopalladated (E)-N-([1,1'-biphenyl]-2-yl)-1-mesitylmethanimines: Anticancer, antibacterial and antioxidant activities. <i>Journal of Organometallic Chemistry</i> , 2017, 839, 116-125.	0.8	7
69	Synthesis, characterization and biological activity of new cyclometallated platinum(IV) complexes containing a <i>para</i> -tolyl ligand. <i>Dalton Transactions</i> , 2018, 47, 8956-8971.	1.6	7
70	Screening Anti-Inflammatory Effects of Flavanones Solutions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8878.	1.8	7
71	Characterization of the gene cluster involved in allantoin catabolism and its transcriptional regulation by the RpiR-type repressor HpxU in <i>Klebsiella pneumoniae</i> . <i>International Microbiology</i> , 2013, 16, 165-76.	1.1	5
72	A study of the properties, reactivity and anticancer activity of novel N-methylated-3-thiazolyl or 3-thienyl carbazoles and their Pd(II) and Pt(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 184, 134-145.	1.5	4

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73	Enhanced cytotoxicity of highly water-soluble gold nanoparticle-cyclopeptide conjugates in cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111384.	2.5	4
74	Overproduction, crystallization and preliminary X-ray analysis of the putative <i>L</i> -ascorbate-6-phosphate lactonase UlaG from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 36-38.	0.7	3
75	Role of YiaX2 in <i>L</i> -ascorbate transport in <i>Klebsiella pneumoniae</i> 13882. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1319-1322.	0.8	2