Laura Baldoma

List of Publications by Year
in descending order

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75 papers	2,703 citations	185998 28 h-index	205818 48 g-index
76 all docs	76 docs citations	76 times ranked	3132 citing authors

#	Article	IF	Citations
1	Modulation of Dendritic Cells by Microbiota Extracellular Vesicles Influences the Cytokine Profile and Exosome Cargo. Nutrients, 2022, 14, 344.	1.7	15
2	Effect of Penetration Enhancers and Safety on the Transdermal Delivery of Apremilast in Skin. Pharmaceutics, 2022, 14, 1011.	2.0	8
3	Enhanced cytotoxicity of highly water-soluble gold nanoparticle-cyclopeptide conjugates in cancer cells. Colloids and Surfaces B: Biointerfaces, 2021, 197, 111384.	2.5	4
4	Cell-to-Cell Communication by Host-Released Extracellular Vesicles in the Gut: Implications in Health and Disease. International Journal of Molecular Sciences, 2021, 22, 2213.	1.8	27
5	Screening Anti-Inflammatory Effects of Flavanones Solutions. International Journal of Molecular Sciences, 2021, 22, 8878.	1.8	7
6	Surface-Modified Multifunctional Thymol-Loaded Biodegradable Nanoparticles for Topical Acne Treatment. Pharmaceutics, 2021, 13, 1501.	2.0	15
7	Development of Lactoferrin-Loaded Liposomes for the Management of Dry Eye Disease and Ocular Inflammation. Pharmaceutics, 2021, 13, 1698.	2.0	28
8	Microbiotaâ€derived extracellular vesicles in interkingdom communication in the gut. Journal of Extracellular Vesicles, 2021, 10, e12161.	5.5	102
9	Luminescent Pt II and Pt IV Platinacycles with Anticancer Activity Against Multiplatinumâ€Resistant Metastatic CRC and CRPC Cell Models. Chemistry - A European Journal, 2020, 26, 1947-1952.	1.7	8
10	Proteomic profile of extracellular vesicles released by Lactiplantibacillus plantarum BGAN8 and their internalization by non-polarized HT29 cell line. Scientific Reports, 2020, 10, 21829.	1.6	29
11	Transcriptomic microRNA Profiling of Dendritic Cells in Response to Gut Microbiota-Secreted Vesicles. Cells, 2020, 9, 1534.	1.8	15
12	Extracellular vesicles and soluble factors secreted by Escherichia coli Nissle 1917 and ECOR63 protect against enteropathogenic E. coli-induced intestinal epithelial barrier dysfunction. BMC Microbiology, 2019, 19, 166.	1.3	57
13	Membrane vesicles from the probiotic Nissle 1917 and gut resident Escherichia coli strains distinctly modulate human dendritic cells and subsequent T cell responses. Journal of Functional Foods, 2019, 61, 103495.	1.6	31
14	Ocular penetration of fluorometholone-loaded PEG-PLGA nanoparticles functionalized with cell-penetrating peptides. Nanomedicine, 2019, 14, 3089-3104.	1.7	41
15	Multifunctional Serine Protease Inhibitor-Coated Water-Soluble Gold Nanoparticles as a Novel Targeted Approach for the Treatment of Inflammatory Skin Diseases. Bioconjugate Chemistry, 2018, 29, 1060-1072.	1.8	10
16	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. Journal of Inorganic Biochemistry, 2018, 184, 134-145.	1.5	4
17	Platinacycles Containing a Primary Amine Platinum(II) Compounds for Treating Cisplatin-Resistant Cancers by Oxidant Therapy. Organometallics, 2018, 37, 3502-3514.	1.1	16
18	Outer Membrane Vesicles From Probiotic and Commensal Escherichia coli Activate NOD1-Mediated Immune Responses in Intestinal Epithelial Cells. Frontiers in Microbiology, 2018, 9, 498.	1.5	120

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19	Synthesis, characterization and biological activity of new cyclometallated platinum(<scp>iv</scp>) complexes containing a para-tolyl ligand. Dalton Transactions, 2018, 47, 8956-8971.	1.6	7
20	Endo and exo cyclopalladated (E)-N-([1,1'-biphenyl]-2-yl)-1-mesitylmethanimines: Anticancer, antibacterial and antioxidant activities. Journal of Organometallic Chemistry, 2017, 839, 116-125.	0.8	7
21	Synthesis, characterization and biological activity of new cyclometallated platinum(<scp>iv</scp>) iodido complexes. Dalton Transactions, 2017, 46, 14973-14987.	1.6	21
22	Intestinal Anti-inflammatory Effects of Outer Membrane Vesicles from Escherichia coli Nissle 1917 in DSS-Experimental Colitis in Mice. Frontiers in Microbiology, 2017, 8, 1274.	1.5	145
23	Outer Membrane Vesicles and Soluble Factors Released by Probiotic Escherichia coli Nissle 1917 and Commensal ECOR63 Enhance Barrier Function by Regulating Expression of Tight Junction Proteins in Intestinal Epithelial Cells. Frontiers in Microbiology, 2016, 7, 1981.	1.5	134
24	Outer Membrane Vesicles from the Probiotic Escherichia coli Nissle 1917 and the Commensal ECOR12 Enter Intestinal Epithelial Cells via Clathrin-Dependent Endocytosis and Elicit Differential Effects on DNA Damage. PLoS ONE, 2016, 11, e0160374.	1.1	102
25	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
26	Membrane Vesicles Released by a hypervesiculating Escherichia coli Nissle 1917 tolR Mutant Are Highly Heterogeneous and Show Reduced Capacity for Epithelial Cell Interaction and Entry. PLoS ONE, 2016, 11, e0169186.	1.1	42
27	The secreted autotransporter toxin (Sat) does not act as a virulence factor in the probiotic Escherichia coli strain Nissle 1917. BMC Microbiology, 2015, 15, 250.	1.3	23
28	Glyceraldehyde-3-phosphate dehydrogenase is required for efficient repair of cytotoxic DNA lesions in Escherichia coli. International Journal of Biochemistry and Cell Biology, 2015, 60, 202-212.	1.2	24
29	Neutral and ionic platinum compounds containing a cyclometallated chiral primary amine: synthesis, antitumor activity, DNA interaction and topoisomerase Iâ€“cathepsin B inhibition. Dalton Transactions, 2015, 44, 13602-13614.	1.6	26
30	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
31	Proteomic analysis of outer membrane vesicles from the probiotic strain Escherichia coli Nissle 1917. Proteomics, 2014, 14, 222-229.	1.3	81
32	Exploring the Scope of [Pt₂(4-FC₆H₄)₄(Î¼-SEt₂)₂] as a Precursor for New Organometallic Platinum(II) and Platinum(IV) Antitumor Agents. Organometallics, 2014, 33, 1740-1750.	1.1	25
33	Cyclopalladated and cycloplatinated benzophenone imines: Antitumor, antibacterial and antioxidant activities, DNA interaction and cathepsin B inhibition. Journal of Inorganic Biochemistry, 2014, 140, 80-88.	1.5	27
34	Cyclopalladated primary amines: A preliminary study of antiproliferative activity through apoptosis induction. European Journal of Medicinal Chemistry, 2014, 84, 530-536.	2.6	20
35	Cyclopalladated benzophenone imines: Synthesis, cytotoxicity against human breast adenocarcinoma cell lines and DNA interaction. Journal of Organometallic Chemistry, 2013, 724, 289-296.	0.8	32
36	Diastereomerically pure platinum(II) complexes as antitumoral agents.. Journal of Inorganic Biochemistry, 2013, 118, 1-12.	1.5	30

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37	Trans- and cis-2-phenylindole platinum(II) complexes as cytotoxic agents against human breast adenocarcinoma cell lines. Journal of Molecular Structure, 2013, 1048, 88-97.	1.8	7
38	Protein interaction studies point to new functions for Escherichia coli glyceraldehyde-3-phosphate dehydrogenase. Research in Microbiology, 2013, 164, 145-154.	1.0	31
39	Pt(II) complexes with (N,Nâ€²) or (C,N,E)â^' (E=N,S) ligands: Cytotoxic studies, effect on DNA tertiary structure and structureâ€"activity relationships. Bioorganic and Medicinal Chemistry, 2013, 21, 4210-4217.	1.4	22
40	Characterization of the gene cluster involved in allantoate catabolism and its transcriptional regulation by the RpiR-type repressor HpxU in Klebsiella pneumoniae. International Microbiology, 2013, 16, 165-76.	1.1	5
41	Secretion of the housekeeping protein glyceraldehyde-3-phosphate dehydrogenase by the LEE-encoded type III secretion system in enteropathogenic Escherichia coli. International Journal of Biochemistry and Cell Biology, 2012, 44, 955-962.	1.2	48
42	Seven-membered cycloplatinated complexes as a new family of anticancer agents. X-ray characterization and preliminary biological studies. European Journal of Medicinal Chemistry, 2012, 54, 557-566.	2.6	37
43	Platinum(II) and palladium(II) complexes with (N,Nâ€²) and (C,N,Nâ€²)â^' ligands derived from pyrazole as anticancer and antimalarial agents: Synthesis, characterization and in vitro activities. Journal of Inorganic Biochemistry, 2011, 105, 1720-1728.	1.5	75
44	The UlaG protein family defines novel structural and functional motifs grafted on an ancient RNase fold. BMC Evolutionary Biology, 2011, 11, 273.	3.2	7
45	Transcriptional Regulation of the Gene Cluster Encoding Allantoinase and Guanine Deaminase in Klebsiella pneumoniae. Journal of Bacteriology, 2011, 193, 2197-2207.	1.0	9
46	Molecular Architecture of the Mn2+-dependent Lactonase UlaG Reveals an RNase-like Metallo-Î²-lactamase Fold and a Novel Quaternary Structure. Journal of Molecular Biology, 2010, 398, 715-729.	2.0	31
47	Role of YiaX2 in <scp>l</scp>-ascorbate transport in Klebsiella pneumoniae 13882. Canadian Journal of Microbiology, 2009, 55, 1319-1322.	0.8	2
48	Overproduction, crystallization and preliminary X-ray analysis of the putative<scp>L</scp>-ascorbate-6-phosphate lactonase UlaG fromEscherichia coli. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 36-38.	0.7	3
49	A critical phosphate concentration in the stationary phase maintainsndhgene expression and aerobic respiratory chain activity inEscherichia coli. FEMS Microbiology Letters, 2008, 284, 76-83.	0.7	14
50	Increased production of the ether-lipid platelet-activating factor in intestinal epithelial cells infected by Salmonella enteritidis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 270-276.	1.2	8
51	Quaternary Structural Transitions in the DeoR-Type Repressor UlaR Control Transcriptional Readout from the <scp>l</scp>-Ascorbate Utilization Regulon in Escherichia coli. Biochemistry, 2008, 47, 11424-11433.	1.2	30
52	The yiaKLX1X2PQRS and ulaABCDEFG Gene Systems Are Required for the Aerobic Utilization of <scp>l</scp> -Ascorbate in Klebsiella pneumoniae Strain 13882 with <scp>l</scp> -Ascorbate-6-Phosphate as the Inducer. Journal of Bacteriology, 2008, 190, 6615-6624.	1.0	21
53	The hpx Genetic System for Hypoxanthine Assimilation as a Nitrogen Source in Klebsiella pneumoniae : Gene Organization and Transcriptional Regulation. Journal of Bacteriology, 2008, 190, 7892-7903.	1.0	38
54	Dual Role of LldR in Regulation of the lldPRD Operon, Involved in <scp>l</scp> -Lactate Metabolism in Escherichia coli. Journal of Bacteriology, 2008, 190, 2997-3005.	1.0	62

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55	Aerobic l-ascorbate metabolism and associated oxidative stress in Escherichia coli. Microbiology (United Kingdom), 2007, 153, 3399-3408.	0.7	27
56	Role of secreted glyceraldehyde-3-phosphate dehydrogenase in the infection mechanism of enterohemorrhagic and enteropathogenic Escherichia coli: Interaction of the extracellular enzyme with human plasminogen and fibrinogen. International Journal of Biochemistry and Cell Biology, 2007, 39, 1190-1203.	1.2	137
57	Crystal Structure of an Iron-Dependent Group III Dehydrogenase That Interconverts l -Lactaldehyde and l -1,2-Propanediol in Escherichia coli. Journal of Bacteriology, 2005, 187, 4957-4966.	1.0	76
58	Enantioselective synthesis of 1-deoxy- d -gulonojirimycin from a phenylglycinol-derived lactam. Tetrahedron Letters, 2004, 45, 5355-5358.	0.7	14
59	Regulation of Expression of the Divergent ulaG and ulaABCDEF Operons Involved in l -Ascorbate Dissimilation in Escherichia coli. Journal of Bacteriology, 2004, 186, 1720-1728.	1.0	33
60	Role of 2-Phosphoglycolate Phosphatase of Escherichia coli in Metabolism of the 2-Phosphoglycolate Formed in DNA Repair. Journal of Bacteriology, 2003, 185, 5815-5821.	1.0	57
61	The Gene yjcG , Cotranscribed with the Gene acs , Encodes an Acetate Permease in Escherichia coli. Journal of Bacteriology, 2003, 185, 6448-6455.	1.0	140
62	TheglcBlocus ofRhizobium leguminosarumVF39 encodes an arabinose-inducible malate synthase. Canadian Journal of Microbiology, 2002, 48, 922-932.	0.8	12
63	The Gene yjfQ Encodes the Repressor of the yjfR-X Regulon (ula), Which Is Involved in l -Ascorbate Metabolism in Escherichia coli. Journal of Bacteriology, 2002, 184, 6065-6068.	1.0	16
64	Transport of -Lactate, -Lactate, and Glycolate by the LldP and GlcA Membrane Carriers of Escherichia coli. Biochemical and Biophysical Research Communications, 2002, 290, 824-829.	1.0	73
65	Regulation of the Escherichia coli Allantoin Regulon: Coordinated Function of the Repressor AllR and the Activator AllS. Journal of Molecular Biology, 2002, 324, 599-610.	2.0	43
66	Biochemical characterization of the 2-ketoacid reductases encoded by ycdW and yiaE genes in Escherichia coli. Biochemical Journal, 2001, 354, 707.	1.7	23
67	Role of the yiaR and yiaSGenes of Escherichia coli in Metabolism of Endogenously Formed l-Xylulose. Journal of Bacteriology, 2000, 182, 4625-4627.	1.0	12
68	Regulation of Expression of theyiaKLMNOPQRS Operon for Carbohydrate Utilization inEscherichia coli: Involvement of the Main Transcriptional Factors. Journal of Bacteriology, 2000, 182, 4617-4624.	1.0	25
69	A Common Regulator for the Operons Encoding the Enzymes Involved in d -Galactarate, d -Glucarate, and d -Glycerate Utilization in Escherichia coli. Journal of Bacteriology, 2000, 182, 2672-2674.	1.0	39
70	Cross-induction of glc and ace Operons ofEscherichia coli Attributable to Pathway Intersection. Journal of Biological Chemistry, 1999, 274, 1745-1752.	1.6	66
71	A Rare 920-Kilobase Chromosomal Inversion Mediated by IS1 Transposition Causes Constitutive Expression of the yiaK-S Operon for Carbohydrate Utilization in Escherichia coli. Journal of Biological Chemistry, 1998, 273, 8376-8381.	1.6	18
72	Molecular Characterization of Escherichia coli Malate Synthase G. Differentiation with the Malate Synthase A Isoenzyme. FEBS Journal, 1994, 224, 541-548.	0.2	64

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73	Inactivation of propanediol oxidoreductase of Escherichia coli by metal-catalyzed oxidation. BBA - Proteins and Proteomics, 1992, 1118, 155-160.	2.1	8
74	Aldehyde dehydrogenase induction by glutamate in Escherichia coli. Role of 2-oxoglutarate. FEBS Journal, 1991, 202, 1321-1325.	0.2	14
75	Identification of the rhaA, rhaB and rhaD gene products from Escherichia coli K-12. FEMS Microbiology Letters, 1989, 65, 253-257.	0.7	35