Jose M Bautista

List of Publications by Year
in descending order

122 papers	5,641 citations	87723 38 h-index	85405 71 g-index
127 all docs	127 docs citations	127 times ranked	7072 citing authors

#	Article	IF	Citations
1	Hypothyroidism confers tolerance to cerebral malaria. Science Advances, 2022, 8, eabj7110.	4.7	5
2	Home Sweet Home: Plasmodium vivax-Infected Reticulocytesâ€"The Younger the Better?. Frontiers in Cellular and Infection Microbiology, 2021, 11, 675156.	1.8	9
3	The Potential Role of Pro-Inflammatory and Anti-Inflammatory Cytokines in Epilepsy Pathogenesis. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, 1760-1774.	0.6	13
4	Plasmodium falciparum immunodominant IgG epitopes in subclinical malaria. Scientific Reports, 2020, 10, 9398.	1.6	5
5	Comparative and functional genomics of the protozoan parasite Babesia divergens highlighting the invasion and egress processes. PLoS Neglected Tropical Diseases, 2019, 13, e0007680.	1.3	29
6	Recombinant rabbit beta nerve growth factor production and its biological effects on sperm and ovulation in rabbits. PLoS ONE, 2019, 14, e0219780.	1.1	15
7	Protein Carbonylation in Patients with Myelodysplastic Syndrome: An Opportunity for Deferasirox Therapy. Antioxidants, 2019, 8, 508.	2.2	4
8	Screening for retroviruses and hepatitis viruses using dried blood spots reveals a high prevalence of occult hepatitis B in Ghana. Therapeutic Advances in Infectious Disease, 2019, 6, 204993611985146.	1.1	7
9	Characterization of Î²-Nerve Growth Factor-TrkA system in male reproductive tract of rabbit and the relationship between Î²-NGF and testosterone levels with seminal quality during sexual maturation. Theriogenology, 2019, 126, 206-213.	0.9	20
10	A role for Th1-like Th17 cells in the pathogenesis of inflammatory and autoimmune disorders. Molecular Immunology, 2019, 105, 107-115.	1.0	122
11	First homology model of Plasmodium falciparum glucose-6-phosphate dehydrogenase: Discovery of selective substrate analog-based inhibitors as novel antimalarial agents. European Journal of Medicinal Chemistry, 2018, 146, 108-122.	2.6	9
12	Î²-nerve growth factor identification in male rabbit genital tract and seminal plasma and its role in ovulation induction in rabbit does. Italian Journal of Animal Science, 2018, 17, 442-453.	0.8	16
13	Gene expression and immunolocalization of lowâ€affinity neurotrophin receptor (p75) in rabbit male reproductive tract during sexual maturation. Reproduction in Domestic Animals, 2018, 53, 62-65.	0.6	7
14	Antiprotozoal and cysteine proteases inhibitory activity of dipeptidyl enoates. Bioorganic and Medicinal Chemistry, 2018, 26, 4624-4634.	1.4	27
15	Plasmodium species differentiation by non-expert on-line volunteers for remote malaria field diagnosis. Malaria Journal, 2018, 17, 54.	0.8	18
16	Iron supplementation in mouse expands cellular innate defences in spleen and defers lethal malaria infection. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 3049-3059.	1.8	8
17	First Report ofBabesia microti-Caused Babesiosis in Spain. Vector-Borne and Zoonotic Diseases, 2016, 16, 677-679.	0.6	33
18	Possible roles of amyloids in malaria pathophysiology. Future Science OA, 2015, 1, FSO43.	0.9	4

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19	Experimental Immunization Based onPlasmodiumAntigens Isolated by Antibody Affinity. Journal of Immunology Research, 2015, 2015, 1-11.	0.9	4
20	Early and late B cell immune responses in lethal and self-cured rodent malaria. Immunobiology, 2015, 220, 684-691.	0.8	1
21	Analogs of natural aminoacyl-tRNA synthetase inhibitors clear malaria in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5508-17.	3.3	69
22	Malaria proteomics: Insights into the parasiteâ€“host interactions in the pathogenic space. Journal of Proteomics, 2014, 97, 107-125.	1.2	27
23	Epigenetic therapy reprograms hereditary disease. Blood, 2014, 124, 7-8.	0.6	2
24	Differential Immune Response Associated to Malaria Outcome Is Detectable in Peripheral Blood following Plasmodium yoelii Infection in Mice. PLoS ONE, 2014, 9, e85664.	1.1	6
25	Glutathione peroxidase contributes with heme oxygenase-1 to redox balance in mouse brain during the course of cerebral malaria. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2009-2018.	1.8	15
26	Selective Inhibition of an Apicoplastic Aminoacylâ€tRNA Synthetase from Plasmodium falciparum. ChemBioChem, 2013, 14, 499-509.	1.3	30
27	Brain-derived neurotrophic factor and the course of experimental cerebral malaria. Brain Research, 2013, 1490, 210-224.	1.1	23
28	PharmGKB summary. Pharmacogenetics and Genomics, 2013, 23, 498-508.	0.7	40
29	Antiplasmodial Activity and Mechanism of Action of RSM-932A, a Promising Synergistic Inhibitor of Plasmodium falciparum Choline Kinase. Antimicrobial Agents and Chemotherapy, 2013, 57, 5878-5888.	1.4	24
30	Functional segregation and emerging role of ciliaâ€related cytosolic carboxypeptidases (CCPs). FASEB Journal, 2013, 27, 424-431.	0.2	31
31	Insights into the preclinical treatment of bloodâ€stage malaria by the antibiotic borrelidin. British Journal of Pharmacology, 2013, 169, 645-658.	2.7	34
32	Gene-associated markers provide tools for tackling illegal fishing and false eco-certification. Nature Communications, 2012, 3, 851.	5.8	199
33	PharmGKB summary. Pharmacogenetics and Genomics, 2012, 22, 219-228.	0.7	40
34	Restriction Fragment Length Analysis of the Cytochrome b Gene and Muscle Fatty Acid Composition Differentiate the Cryptic Flatfish Species Solea solea and Solea aegyptiaca. Journal of Agricultural and Food Chemistry, 2012, 60, 7941-7948.	2.4	6
35	Evolutionary history of the genus Trisopterus. Molecular Phylogenetics and Evolution, 2012, 62, 1013-1018.	1.2	4
36	Plasmodium yoelii blood-stage antigens newly identified by immunoaffinity using purified IgG antibodies from malaria-resistant mice. Immunobiology, 2012, 217, 823-830.	0.8	11

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37	Differential carbonylation of cytoskeletal proteins in blood group O erythrocytes: Potential role in protection against severe malaria. Infection, Genetics and Evolution, 2012, 12, 1780-1787.	1.0	26
38	Proteomic Approaches to Identifying Carbonylated Proteins in Brain Tissue. Journal of Proteome Research, 2011, 10, 1719-1727.	1.8	26
39	Multiâ€targeted activity of maslinic acid as an antimalarial natural compound. FEBS Journal, 2011, 278, 2951-2961.	2.2	53
40	Stress response and cytoskeletal proteins involved in erythrocyte membrane remodeling upon Plasmodium falciparum invasion are differentially carbonylated in G6PD Aâ^' deficiency. Free Radical Biology and Medicine, 2011, 50, 1305-1313.	1.3	27
41	Parasitostatic effect of maslinic acid. II. Survival increase and immune protection in lethal Plasmodium yoelii-infected mice. Malaria Journal, 2011, 10, 103.	0.8	20
42	Parasitostatic effect of maslinic acid. I. Growth arrest of Plasmodium falciparum intraerythrocytic stages. Malaria Journal, 2011, 10, 82.	0.8	36
43	Modelling the predictable effects of dietary lipid sources on the fillet fatty acid composition of one-year-old gilthead sea bream (Sparus aurata L.). Food Chemistry, 2011, 124, 538-544.	4.2	39
44	Malaria Hidden in a Patient with Diffuse Large-B-Cell Lymphoma and Sickle-Cell Trait. Journal of Clinical Microbiology, 2011, 49, 4401-4404.	1.8	10
45	Combined Proteomic Approaches for the Identification of Specific Amino Acid Residues Modified by 4-Hydroxy-2-Nonenal under Physiological Conditions. Journal of Proteome Research, 2010, 9, 5770-5781.	1.8	24
46	Population Proteomics of the European Hake (Merluccius merluccius). Journal of Proteome Research, 2010, 9, 6392-6404.	1.8	21
47	Early transcriptional response to chloroquine of the Plasmodium falciparum antioxidant defence in sensitive and resistant clones. Acta Tropica, 2010, 114, 109-115.	0.9	27
48	Rescue of Pyruvate Kinase Deficiency in Mice by Gene Therapy Using the Human Isoenzyme. Molecular Therapy, 2009, 17, 2000-2009.	3.7	31
49	Altered Nucleotide Receptor Expression in a Murine Model of Cerebral Malaria. Journal of Infectious Diseases, 2009, 200, 1279-1288.	1.9	12
50	Synchronous culture of Plasmodium falciparum at high parasitemia levels. Nature Protocols, 2009, 4, 1899-1915.	5.5	165
51	Haemoglobin interference and increased sensitivity of fluorimetric assays for quantification of low-parasitaemia Plasmodium infected erythrocytes. Malaria Journal, 2009, 8, 279.	0.8	21
52	Chloroquine mediates specific proteome oxidative damage across the erythrocytic cycle of resistant Plasmodium falciparum. Free Radical Biology and Medicine, 2008, 44, 2034-2042.	1.3	65
53	Towards Fish Lipid Nutrigenomics: Current State and Prospects for Fin-Fish Aquaculture. Reviews in Fisheries Science, 2008, 16, 73-94.	2.1	204
54	Nnalâ€like proteins are active metallocarboxypeptidases of a new and diverse M14 subfamily. FASEB Journal, 2007, 21, 851-865.	0.2	95

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55	Morphological, Ecological, and Molecular Analyses Separate Muraena augusti from Muraena helena as a Valid Species. Copeia, 2007, 2007, 101-113.	1.4	26
56	In VitroandIn VivoExpression of Human Erythrocyte Pyruvate Kinase in Erythroid Cells: A Gene Therapy Approach. Human Gene Therapy, 2007, 18, 502-514.	1.4	6
57	Conjugated Linoleic Acid Affects Lipid Composition, Metabolism, and Gene Expression in Gilthead Sea Bream (Sparus aurata L)3. Journal of Nutrition, 2007, 137, 1363-1369.	1.3	43
58	Effect of level of feed restriction during growth and/or fattening on fatty acid composition and lipogenic enzyme activity in heavy pigs. Animal Feed Science and Technology, 2007, 138, 61-74.	1.1	21
59	Impact of nâˆ'3 fatty acid chain length and nâˆ'3/nâˆ'6 ratio in Atlantic salmon (Salmo salar) diets. Aquaculture, 2007, 267, 248-259.	1.7	68
60	Fish Species Identification in Surimi-Based Products. Journal of Agricultural and Food Chemistry, 2007, 55, 3681-3685.	2.4	68
61	Calcium controls smooth muscle TRPC gene transcription via the CaMK/calcineurin-dependent pathways. American Journal of Physiology - Cell Physiology, 2007, 292, C553-C563.	2.1	34
62	G6PD deficiency: the genotype-phenotype association. Blood Reviews, 2007, 21, 267-283.	2.8	230
63	Primers and polymerase chain reaction conditions for DNA barcoding teleost fish based on the mitochondrial cytochrome b and nuclear rhodopsin genes. Molecular Ecology Notes, 2007, 7, 730-734.	1.7	179
64	Development of Efficent Gene Therapy for the Treatment of Erythrocyte Pyruvate Kinase Deficiency.. Blood, 2007, 110, 2584-2584.	0.6	1
65	Application of Self-Quenched JH Consensus Primers for Real-Time Quantitative PCR of IGH Gene to Minimal Residual Disease Evaluation in Multiple Myeloma. Journal of Molecular Diagnostics, 2006, 8, 364-370.	1.2	1
66	Dietary fat type affects lipid metabolism in Atlantic salmon (Salmo salar L.) and differentially regulates glucose transporter GLUT4 expression in muscle. Aquaculture, 2006, 261, 294-304.	1.7	33
67	Transient silencing of Plasmodium falciparum bifunctional glucose-6-phosphate dehydrogenase-6-phosphogluconolactonase. FEBS Journal, 2006, 273, 1537-1546.	2.2	28
68	Functional analysis of gammaretroviral vector transduction by quantitative PCR. Journal of Gene Medicine, 2006, 8, 1097-1104.	1.4	10
69	Life-threatening nonspherocytic hemolytic anemia in a patient with a null mutation in the PKLR gene and no compensatory PKM gene expression. Blood, 2005, 106, 1851-1856.	0.6	25
70	Dietary protein source affects lipid metabolism in the European seabass (Dicentrarchus labrax). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2005, 142, 19-31.	0.8	148
71	Three Peroxisome Proliferator-Activated Receptor Isotypes from Each of Two Species of Marine Fish. Endocrinology, 2005, 146, 3150-3162.	1.4	174
72	Multiplex PCR Method for Use in Real-Time PCR for Identification of Fish Fillets from Grouper (EpinephelusandMycteropercaSpecies) and Common Substitute Species. Journal of Agricultural and Food Chemistry, 2005, 53, 2039-2045.	2.4	93

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73	Molecular identification and biometric analysis of Macaronesian archipelago stocks of Beryx splendens. Fisheries Research, 2005, 73, 299-309.	0.9	11
74	Dual-function stem molecular beacons to assess mRNA expression in AT-rich transcripts of Plasmodium falciparum. BioTechniques, 2004, 36, 488-494.	0.8	13
75	Adaptation of lipid metabolism, tissue composition and flesh quality in gilthead sea bream (Sparus) Tj ETQq1 1 0.784314 rgBT /Overlock Nutrition, 2004, 92, 41-52.	1.2	186
76	The use of fluorescent molecular beacons in real time PCR of IgH gene rearrangements for quantitative evaluation of multiple myeloma. International Journal of Laboratory Hematology, 2004, 26, 31-35.	0.2	6
77	Molecular characterization of three peroxisome proliferator-activated receptors from the sea bass (Dicentrarchus labrax). Lipids, 2004, 39, 1085-1092.	0.7	69
78	Methionine Adenosyltransferase as a Useful Molecular Systematics Tool Revealed by Phylogenetic and Structural Analyses. Journal of Molecular Biology, 2004, 335, 693-706.	2.0	47
79	Gene Therapy of the Human Erythrocyte Pyruvate Kinase Deficiency.. Blood, 2004, 104, 1635-1635.	0.6	0
80	Growth, lipogenesis and body composition of piracanjuba () fingerlings fed different dietary protein and lipid concentrations. Aquatic Living Resources, 2003, 16, 362-369.	0.5	23
81	Identification of pheromones in mouse urine by head-space solid phase microextraction followed by gas chromatographyâ€“mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 796, 55-62.	1.2	20
82	Molecular Phylogeny and Species Identification of Sardines. Journal of Agricultural and Food Chemistry, 2003, 51, 43-50.	2.4	54
83	Growth, digestibility and fatty acid utilization in large Atlantic salmon (Salmo salar) fed varying levels of n-3 and saturated fatty acids. Aquaculture, 2003, 225, 295-307.	1.7	120
84	Failure to increase glucose consumption through the pentose-phosphate pathway results in the death of glucose-6-phosphate dehydrogenase gene-deleted mouse embryonic stem cells subjected to oxidative stress. Biochemical Journal, 2003, 370, 935-943.	1.7	159
85	Deletion of leucine 61 in glucose-6-phosphate dehydrogenase leads to chronic nonspherocytic anemia, granulocyte dysfunction, and increased susceptibility to infections. Blood, 2002, 100, 1026-1030.	0.6	39
86	Herring vs. anchovy oils in salmon feeding. Aquatic Living Resources, 2002, 15, 217-223.	0.5	23
87	Evolution of the mitochondrial control region in Palaearctic brown trout (Salmo trutta) populations: the biogeographical role of the Iberian Peninsula. Heredity, 2001, 87, 198-206.	1.2	80
88	Dietary protein source affects the susceptibility to lipid peroxidation of rainbow trout (Oncorhynchus mykiss) and sea bass (Dicentrarchus labrax) muscle. Animal Science, 2001, 73, 443-449.	1.3	26
89	Abdominal Fat Deposition and Fatty Acid Synthesis Are Lower and Î²-Oxidation Is Higher in Broiler Chickens Fed Diets Containing Unsaturated Rather than Saturated Fat. Journal of Nutrition, 2000, 130, 3034-3037.	1.3	177
90	Mitochondrial haplotype variation and phylogeography of Iberian brown trout populations. Molecular Ecology, 2000, 9, 1324-1338.	2.0	75

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91	Brief communication. Mitochondrial DNA haplotyping of Testudo graeca on both continental sides of the Straits of Gibraltar. Journal of Heredity, 2000, 91, 39-41.	1.0	65
92	Structural Defects Underlying Protein Dysfunction in Human Glucose-6-phosphate Dehydrogenase Aâˆ’ Deficiency. Journal of Biological Chemistry, 2000, 275, 9256-9262.	1.6	28
93	The partial substitution of digestible protein with gelatinized starch as an energy source reduces susceptibility to lipid oxidation in rainbow trout (Oncorhynchus mykiss) and sea bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	38
94	Molecular phylogeny and morphological homoplasy in fruitbats. Molecular Biology and Evolution, 1999, 16, 1061-1067.	3.5	43
95	Three major G6PD-deficient polymorphic variants identified among the Mauritian population. British Journal of Haematology, 1999, 104, 849-854.	1.2	20
96	Phylogeography of African Fruitbats (Megachiroptera). Molecular Phylogenetics and Evolution, 1999, 13, 596-604.	1.2	45
97	Increased Neuronal Glucose-6-phosphate Dehydrogenase and Sulfhydryl Levels Indicate Reductive Compensation to Oxidative Stress in Alzheimer Disease. Archives of Biochemistry and Biophysics, 1999, 370, 236-239.	1.4	116
98	Amino acid substitutions at the dimer interface of human glucose-6-phosphate dehydrogenase that increase thermostability and reduce the stabilising effect of NADP. FEBS Journal, 1998, 251, 382-388.	0.2	34
99	Regulation of hepatic lipogenesis by dietary protein/energy in juvenile European seabass (Dicentrarchus labrax). Aquaculture, 1998, 161, 169-186.	1.7	276
100	Plasmodium falciparum glucoseâ€6â€phosphate dehydrogenase (G6PD) â€" the Nâ€terminal portion is homologous to a predicted protein encoded near to G6PD in Haemophilus influenzae. Molecular Microbiology, 1997, 23, 847-848.	1.2	10
101	Improved Catalytic Performance of a 2-Haloacid Dehalogenase from Azotobacter sp. by Ion-Exchange Immobilisation. Biochemical and Biophysical Research Communications, 1996, 220, 828-833.	1.0	11
102	Semen changes in boars after experimental infection with porcine reproductive and respiratory syndrome (PRRS) virus. Theriogenology, 1996, 45, 383-395.	0.9	36
103	Unproductive folding of the human G6PDâ€deficient variant A ^{â^'}. FASEB Journal, 1996, 10, 153-158.	0.2	23
104	Rapid and high sensitivity test for direct detection of bovine herpesvirus â€" 1 genome in clinical samples. Veterinary Microbiology, 1996, 49, 81-92.	0.8	33
105	Purification and properties of a high-affinity L-2-haloacid dehalogenase from Azotabacter sp. strain RC26. Letters in Applied Microbiology, 1996, 23, 279-282.	1.0	6
106	Protein disulphide isomerase assisted folding of human glucose-6-phosphate dehydrogenase. Biochemical Society Transactions, 1995, 23, 82S-82S.	1.6	2
107	MORPHOSPECIES VS. GENOSPECIES IN TOXIC MARINE DINOFLAGELLATES: AN ANALYSIS OF GYMNODINIUM CATENATUM/GYRODINIUM IMPUDICUM AND ALEXANDRIUM MINUTUM/A. LUSITANICUM USING ANTIBODIES, LECTINS, AND GENE SEQUENCES1. Journal of Phycology, 1995, 31, 801-807.	1.0	48
108	The complete nucleotide sequence of the mitochondrial DNA genome of the rainbow trout, Oncorhynchus mykiss. Journal of Molecular Evolution, 1995, 41, 942-51.	0.8	202

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109	Revised dinoflagellate phylogeny inferred from molecular analysis of large-subunit ribosomal RNA gene sequences. Journal of Molecular Evolution, 1995, 41, 637-45.	0.8	94
110	Analysis of the transcription products of the rainbow trout (Oncorynchus mykiss) liver mitochondrial genome: detection of novel mitochondrial transcripts. Current Genetics, 1995, 28, 67-70.	0.8	8
111	Nucleotide sequence of the sheep mitochondrial DNA D-loop and its flanking tRNA genes. Current Genetics, 1995, 28, 94-96.	0.8	30
112	Monochloroacetate dehalogenase activities of bacterial strains isolated from soil. Canadian Journal of Microbiology, 1995, 41, 730-739.	0.8	9
113	Human glucose-6-phosphate dehydrogenase Lysine 205 is dispensable for substrate binding but essential for catalysis. FEBS Letters, 1995, 366, 61-64.	1.3	27
114	Direct detection of the porcine reproductive and respiratory syndrome (PRRS) virus by reverse polymerase chain reaction (RT-PCR). Archives of Virology, 1994, 135, 89-99.	0.9	80
115	Both mutations in G6PD A â€" are necessary to produce the G6PD deficient phenotype. Human Molecular Genetics, 1992, 1, 171-174.	1.4	55
116	Purification and properties of human glucose-6-phosphate dehydrogenase made in E. coli. BBA - Proteins and Proteomics, 1992, 1119, 74-80.	2.1	43
117	Unfolding and trypsin inactivation studies reveal a conformation drift of glucose-6-phosphate dehydrogenase upon binding of NADP. BBA - Proteins and Proteomics, 1992, 1122, 99-106.	2.1	2
118	Human red cell glucose-6-phosphate dehydrogenase is encoded only on the X chromosome. Cell, 1990, 62, 9-10.	13.5	16
119	The regulation of glucose 6-phosphate dehydrogenase from Dicentrarchus labrax (bass) liver. International Journal of Biochemistry & Cell Biology, 1989, 21, 783-789.	0.8	4
120	Glucose-6-phosphate dehydrogenase from Dicentrarchus labrax liver: kinetic mechanism and kinetics of NADPH inhibition. Biochimica Et Biophysica Acta - General Subjects, 1988, 967, 354-363.	1.1	96
121	Effect of NADP+ and NADPH on controlled tryptic cleavage of glucose-6-phosphate dehydrogenase from Dicentrarchus labrax (bass) liver. Biochemical Society Transactions, 1988, 16, 903-904.	1.6	3
122	Purification and properties of two enzymatic forms of glucose 6-phosphate dehydrogenase from Dicentrarchus labrax L. liver. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1984, 77, 843-848.	0.2	0