

Amilcare Barca

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

785
citations

566801

15
h-index

580395

25
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52
all docs

52
docs citations

52
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Genipin Concentration on Cross-Linked Chitosan Scaffolds for Bone Tissue Engineering: Structural Characterization and Evidence of Biocompatibility Features. <i>International Journal of Polymer Science</i> , 2017, 2017, 1-8.	1.2	66
2	Anti-Aggregating Effect of the Naturally Occurring Dipeptide Carnosine on A β 1-42 Fibril Formation. <i>PLoS ONE</i> , 2013, 8, e68159.	1.1	58
3	Transport of di- and tripeptides in teleost fish intestine. <i>Aquaculture Research</i> , 2010, 41, 641-653.	0.9	55
4	Teleost fish models in membrane transport research: the PEPT1(SLC15A1) H ⁺ -oligopeptide transporter as a case study. <i>Journal of Physiology</i> , 2014, 592, 881-897.	1.3	49
5	High-affinity peptide transporter PEPT2 (SLC15A2) of the zebrafish <i>Danio rerio</i> : functional properties, genomic organization, and expression analysis. <i>Physiological Genomics</i> , 2006, 24, 207-217.	1.0	48
6	Di- and tripeptide transport in vertebrates: the contribution of teleost fish models. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 395-462.	0.7	48
7	An insight on type I collagen from horse tendon for the manufacture of implantable devices. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 291-306.	3.6	42
8	Comparative Analysis and Functional Mapping of <i>SACS</i> Mutations Reveal Novel Insights into Sacsin Repeated Architecture. <i>Human Mutation</i> , 2013, 34, 525-537.	1.1	31
9	Sintering of magnesium-strontium doped hydroxyapatite nanocrystals: Towards the production of 3D biomimetic bone scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 633-644.	2.1	29
10	Bioactive chitosan-based scaffolds with improved properties induced by dextran-grafted nano-magnetite and L-arginine amino acid. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1244-1252.	2.1	24
11	Functional expression of SLC15 peptide transporters in rat thyroid follicular cells. <i>Molecular and Cellular Endocrinology</i> , 2010, 315, 174-181.	1.6	21
12	Carnosine modulates the Sp1-Slc31a1/Ctr1 copper-sensing system and influences copper homeostasis in murine CNS-derived cells. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C235-C245.	2.1	18
13	A Conceptual Framework to Design Green Infrastructure: Ecosystem Services as an Opportunity for Creating Shared Value in Ground Photovoltaic Systems. <i>Land</i> , 2020, 9, 238.	1.2	18
14	Grape Pomace Extract Attenuates Inflammatory Response in Intestinal Epithelial and Endothelial Cells: Potential Health-Promoting Properties in Bowel Inflammation. <i>Nutrients</i> , 2022, 14, 1175.	1.7	18
15	Fishing in the Cell Powerhouse: Zebrafish as A Tool for Exploration of Mitochondrial Defects Affecting the Nervous System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2409.	1.8	16
16	Electrodeposition of nanostructured bioactive hydroxyapatite-heparin composite coatings on titanium for dental implant applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 1425-1434.	1.7	15
17	Simplified preparation and characterization of magnetic hydroxyapatite-based nanocomposites. <i>Materials Science and Engineering C</i> , 2017, 76, 1166-1174.	3.8	15
18	Downstream activation of NF- κ B in the EDA-A1/EDAR signalling in Sjögren's syndrome and its regulation by the ubiquitin-editing enzyme A20. <i>Clinical and Experimental Immunology</i> , 2016, 184, 183-196.	1.1	14

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19	The peptide transporter 1a of the zebrafish <i>Danio rerio</i> , an emerging model in nutrigenomics and nutrition research: molecular characterization, functional properties, and expression analysis. <i>Genes and Nutrition</i> , 2019, 14, 33.	1.2	14
20	Effect of L-Arginine treatment on the in vitro stability of electrospun aligned chitosan nanofiber mats. <i>Polymer Testing</i> , 2020, 91, 106758.	2.3	13
21	Responsiveness of Carnosine Homeostasis Genes in the Pancreas and Brain of Streptozotocin-Treated Mice Exposed to Dietary Carnosine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1713.	1.8	12
22	Identification and characterization of the Atlantic salmon peptide transporter 1a. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C191-C204.	2.1	11
23	The Marine Sponge <i>Petrosia ficiformis</i> Harbors Different Cyanobacteria Strains with Potential Biotechnological Application. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 638.	1.2	10
24	Effects of Short-Term Fasting on mRNA Expression of Ghrelin and the Peptide Transporters PepT1 and 2 in Atlantic Salmon (<i>Salmo salar</i>). <i>Frontiers in Physiology</i> , 2021, 12, 666670.	1.3	10
25	Cloning Two PepT1 cDNA Fragments of Common Carp, <i>Cyprinus Carpio</i> (Actinopterygii). <i>Tj ETQq</i> 1, 0.784314 rgBT 10	0.3	10
26	Assessment of physico-chemical and biological properties of sericin-collagen substrates for PNS regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 403-413.	1.8	9
27	Morpho-functional remodelling of the adult zebrafish (<i>Danio rerio</i>) heart in response to waterborne angiotensin II exposure. <i>General and Comparative Endocrinology</i> , 2021, 301, 113663.	0.8	8
28	Shaping the cardiac response to hypoxia: NO and its partners in teleost fish. <i>Current Research in Physiology</i> , 2022, 5, 193-202.	0.8	8
29	Bioactive Potential of Two Marine Picocyanobacteria Belonging to <i>Cyanobium</i> and <i>Synechococcus</i> Genera. <i>Microorganisms</i> , 2021, 9, 2048.	1.6	7
30	Molecular and expression analysis of the Allograft inflammatory factor 1 (AIF-1) in the coelomocytes of the common sea urchin <i>Paracentrotus lividus</i> . <i>Fish and Shellfish Immunology</i> , 2017, 71, 136-143.	1.6	6
31	Apoptosis by [Pt(O, O ²⁻ -acac)(³⁻ -acac)(DMS)] requires PKC- δ mediated p53 activation in malignant pleural mesothelioma. <i>PLoS ONE</i> , 2017, 12, e0181114.	1.1	6
32	Integration of PLGA Microparticles in Collagen-Based Matrices: Tunable Scaffold Properties and Interaction Between Microparticles and Human Epithelial-Like Cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 69, 137-147.	1.8	5
33	The Lepidopteran KAA1 and CAATCH1: Orthologs to Understand Structure-Function Relationships in Mammalian SLC6 Transporters. <i>Neurochemical Research</i> , 2022, 47, 111-126.	1.6	5
34	First evidence for N7-Platinated Guanosine derivatives cell uptake mediated by plasma membrane transport processes. <i>Journal of Inorganic Biochemistry</i> , 2022, 226, 111660.	1.5	5
35	A rapid and inexpensive method to assay transport of short chain peptides across intestinal brush-border membrane vesicles from the European eel (<i>Anguilla anguilla</i>). <i>Aquaculture Nutrition</i> , 2008, 14, 341-349.	1.1	4
36	<i>Ostreopsis cf. ovata</i> induces cytoskeletal disorganization, apoptosis, and gene expression dysregulation on HeLa cells. <i>Journal of Applied Phycology</i> , 2015, 27, 2321-2332.	1.5	4

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37	Assessment of Cytocompatibility and Anti-Inflammatory (Inter)Actions of Genipin-Crosslinked Chitosan Powders. <i>Biology</i> , 2020, 9, 159.	1.3	4
38	Functional characterization of Atlantic salmon (<i>Salmo salar</i> L.) PepT2 transporters. <i>Journal of Physiology</i> , 2022, 600, 2377-2400.	1.3	4
39	Strategies to Improve Bioactivity of Hydroxyapatite Bone Scaffolds. <i>Key Engineering Materials</i> , 0, 758, 132-137.	0.4	3
40	Evidence of Modular Responsiveness of Osteoblast-Like Cells Exposed to Hydroxyapatite-Containing Magnetic Nanostructures. <i>Biology</i> , 2020, 9, 357.	1.3	3
41	Effects of electromagnetic and magnetic stresses on zebrafish samples. <i>Journal of Instrumentation</i> , 2020, 15, C05056-C05056.	0.5	2
42	Multi-Sensors Integration in a Human Gut-On-Chip Platform. <i>Proceedings (mdpi)</i> , 2018, 2, 1022.	0.2	1
43	Human Organ-on-a-Chip: Around the Intestine Bends. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 181-188.	0.3	1
44	Design of Antibody-Functionalized Polymeric Membranes for the Immunoisolation of Pancreatic Islets. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6056.	1.3	1
45	An ACE2-Alamandine Axis Modulates the Cardiac Performance of the Goldfish <i>Carassius auratus</i> via the NOS/NO System. <i>Antioxidants</i> , 2022, 11, 764.	2.2	1
46	The HONEY: a radially-compliant scaffold for osteochondral defects of a critical size. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 4, .	2.0	0
47	Magnetic nano-architectures intended for bone cancer treatment: physical and biological characterization. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 4, .	2.0	0
48	Comparative Characterization of the Atlantic salmon, <i>Salmo salar</i> L., Di/Tripeptide Transporters PepT1a and PepT1b. <i>FASEB Journal</i> , 2019, 33, 729.1.	0.2	0