

Omar Mertins

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,237
citations

361388

20
h-index

377849

34
g-index

48
all docs

48
docs citations

48
times ranked

1594
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane changes under oxidative stress: the impact of oxidized lipids. <i>Biophysical Reviews</i> , 2014, 6, 47-61.	3.2	121
2	Spray-dried indomethacin-loaded polyester nanocapsules and nanospheres: development, stability evaluation and nanostructure models. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 16, 305-312.	4.0	111
3	Binding of Chitosan to Phospholipid Vesicles Studied with Isothermal Titration Calorimetry. <i>Langmuir</i> , 2011, 27, 5506-5515.	3.5	98
4	Production of soybean phosphatidylcholine-chitosan nanovesicles by reverse phase evaporation: a step by step study. <i>Chemistry and Physics of Lipids</i> , 2005, 138, 29-37.	3.2	71
5	Advances in the Design of pH-Sensitive Cubosome Liquid Crystalline Nanocarriers for Drug Delivery Applications. <i>Nanomaterials</i> , 2020, 10, 963.	4.1	68
6	Physical Damage on Giant Vesicles Membrane as a Result of Methylene Blue Photoirradiation. <i>Biophysical Journal</i> , 2014, 106, 162-171.	0.5	65
7	Insights on the Interactions of Chitosan with Phospholipid Vesicles. Part II: Membrane Stiffening and Pore Formation. <i>Langmuir</i> , 2013, 29, 14552-14559.	3.5	53
8	Chitosan Coated Liposomes as an Innovative Nanocarrier for Drugs. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 240-250.	1.1	51
9	Interaction between phospholipids bilayer and chitosan in liposomes investigated by 31P NMR spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 294-299.	5.0	44
10	Insights on the Interactions of Chitosan with Phospholipid Vesicles. Part I: Effect of Polymer Deprotonation. <i>Langmuir</i> , 2013, 29, 14545-14551.	3.5	38
11	Electroformation of Giant Vesicles from an Inverse Phase Precursor. <i>Biophysical Journal</i> , 2009, 96, 2719-2726.	0.5	36
12	Polyionic complexes of chitosan-N-arginine with alginate as pH responsive and mucoadhesive particles for oral drug delivery applications. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 550-564.	7.5	36
13	Structural Evaluation of Phospholipidic Nanovesicles Containing Small Amounts of Chitosan. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2425-2431.	0.9	34
14	Cubosomal lipid nanoassemblies with pH-sensitive shells created by biopolymer complexes: A synchrotron SAXS study. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 440-450.	9.4	32
15	Caracterização da pureza de fosfatidilcolina da soja através de RMN de ^1H e de ^{31}P . <i>Química Nova</i> , 2008, 31, 1856-1859.	0.3	29
16	Chitosan effect on the mesophase behavior of phosphatidylcholine supramolecular systems. <i>Materials Science and Engineering C</i> , 2009, 29, 463-469.	7.3	29
17	Targeted Drug Delivery and Treatment of Endoparasites with Biocompatible Particles of pH-Responsive Structure. <i>Biomacromolecules</i> , 2018, 19, 499-510.	5.4	27
18	LUVs Recovered with Chitosan: A New Preparation for Vaccine Delivery. <i>Journal of Liposome Research</i> , 2007, 17, 155-163.	3.3	24

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19	Arginine-modified chitosan complexed with liposome systems for plasmid DNA delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111131.	5.0	22
20	Further insights into hydrophobic interactions between ferrocenyl-tamoxifen drugs and non-polar molecular architectures at electrode surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2009, 635, 13-19.	3.8	20
21	Nanoemulsions with oleoresin of <i>Copaifera reticulata</i> (Leguminosae) improve anthelmintic efficacy in the control of monogenean parasites when compared to oleoresin without nanoformulation. <i>Journal of Fish Diseases</i> , 2020, 43, 687-695.	1.9	18
22	Anthelmintic efficacy of <i>Cymbopogon citratus</i> essential oil (Poaceae) against monogenean parasites of <i>Colossoma macropomum</i> (Serrasalmidae), and blood and histopathological effects. <i>Aquaculture</i> , 2020, 528, 735500.	3.5	17
23	Electrochemical analysis of the interactions and reactivity of ferrocene-based drugs with a lipid environment: A qualitative overview. <i>Inorganica Chimica Acta</i> , 2011, 374, 59-68.	2.4	14
24	A new Myxidium species (Myxozoa: Myxosporae) infecting the gallbladder of the turtle <i>Podocnemis unifilis</i> (Testudines: Podocnemididae) from Peruvian Amazon. <i>Acta Tropica</i> , 2017, 172, 75-79.	2.0	14
25	Effective protection of biological membranes against photo-oxidative damage: Polymeric antioxidant forming a protecting shield over the membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2180-2187.	2.6	13
26	Dispersion of chitosan in liquid crystalline lamellar phase: Production of biofriendly hydrogel of nano cubic topology. <i>Carbohydrate Polymers</i> , 2017, 157, 850-857.	10.2	13
27	Morphology and 18S rDNA sequencing of <i>Henneguya peruviana</i> n. sp. (Cnidaria: Myxosporae), a parasite of the Amazonian ornamental fish <i>Hyphessobrycon loretoensis</i> from Peru: A myxosporae dispersal approach. <i>Acta Tropica</i> , 2018, 187, 207-213.	2.0	12
28	Nisin induces lamellar to cubic liquid-crystalline transition in pectin and polygalacturonic acid liposomes. <i>Food Hydrocolloids</i> , 2021, 112, 106320.	10.7	12
29	Massive parasitism by <i>Gussevius tucunarensis</i> (Platyhelminthes: Monogenea: Dactylogyridae) in fingerlings of bujurqui-tucunare cultured in the Peruvian Amazon. <i>Acta Parasitologica</i> , 2013, 58, 223-5.	1.1	11
30	Safety of oral administration of high doses of ivermectin by means of biocompatible polyelectrolytes formulation. <i>Heliyon</i> , 2021, 7, e05820.	3.2	11
31	Interaction of pDNA with reverse phase chitosome. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 543, 76-82.	4.7	10
32	Kinetics of thermal inactivation of transglutaminase from a newly isolated <i>Bacillus circulans</i> BL32. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1567-1575.	3.2	9
33	Histopathology associated with infection by <i>Procammallanus</i> (Spirocamallanus) <i>inopinatus</i> (Nematoda) in farmed <i>Brycon cephalus</i> (Characiformes) from Peru: a potential fish health problem. <i>Aquaculture International</i> , 2020, 28, 449-461.	2.2	9
34	Molecular Phylogeny and taxonomy of a new <i>Myxobolus</i> species from the endangered ornamental fish, <i>Otocinclus cocama</i> endemic to Peru: A host-parasite coextinction approach. <i>Acta Tropica</i> , 2020, 210, 105545.	2.0	9
35	High compliance and effective treatment of fish endoparasitic infections with oral drug delivery nanobioparticles: Safety of intestinal tissue and blood parameters. <i>Journal of Fish Diseases</i> , 2021, 44, 1819-1829.	1.9	8
36	Infestation by <i>Ergasilus coatarius</i> (Copepoda: Ergasilidae) in two Amazonian cichlids with new host record from Peru: An ectoparasites natural control approach. <i>Comptes Rendus - Biologies</i> , 2018, 341, 16-19.	0.2	7

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37	Poly(vinyl alcohol) as a structuring agent for peroxotungstic acid. Journal of Molecular Liquids, 2018, 269, 92-100.	4.9	7
38	Taxonomy and 18S rDNA-based phylogeny of Henneguya multiradiatus n. sp. (Cnidaria: Myxobolidae) a parasite of Brochis multiradiatus from Peruvian Amazon. Microbial Pathogenesis, 2020, 147, 104372.	2.9	7
39	Efficient Treatment of Fish Intestinal Parasites Applying a Membrane-Penetrating Oral Drug Delivery Nanoparticle. ACS Biomaterials Science and Engineering, 2023, 9, 2911-2923.	5.2	7
40	Molecular phylogeny of the gill parasite Henneguya (Myxosporea: Myxobolidae) infecting Astyanax lacustris (Teleostei: Characidae) from fish farm in Brazil. Microbial Pathogenesis, 2018, 123, 372-376.	2.9	4
41	Intestinal histological alterations in farmed red-bellied pacu <i>Piaractus brachipomus</i> (Characiformes: Tj ETQq1 1 0.784314 rgBT / Overbo 2.2 84	2.2	4
42	Morphostructural data and phylogenetic relationships of a new cnidarian myxosporean infecting spleen of an economic and ecological important bryconid fish from Brazil. Microbial Pathogenesis, 2021, 150, 104718.	2.9	4
43	Chitosan and lipid composites as versatile biomedical material. , 2019, , 259-291.		3
44	Phospholipid-chitosan self-assemblies analyzed by SAXS and Light Scattering. , 2009, , .		2
45	A new Myxobolus (Cnidaria: Myxosporea) infecting the ornamental catfish <i>Corydoras schwartzi</i> from the Purus River in Brazil. European Journal of Taxonomy, 2020, , .	0.6	2
46	Chitosan as Stabilizer and Carrier of Natural Based Nanostructures. , 2011, , 163-177.		1
47	Protection Against Photodamage of Biological Membranes: Effectiveness of Gallic Acid on Model Lipid Bilayers. Biophysical Journal, 2012, 102, 96a.	0.5	0
48	Insights on Structuration of Peroxotungstic Acid in Aqueous Media. Journal of the Brazilian Chemical Society, 0, , .	0.6	0