

Roberto Anedda

List of Publications by Year in descending order

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papers

818
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471509

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1427
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#	ARTICLE	IF	CITATIONS
1	Development of Polymeric Microbubbles Targeted to Prostate-Specific Membrane Antigen as Prototype of Novel Ultrasound Contrast Agents. <i>Molecular Pharmaceutics</i> , 2011, 8, 748-757.	4.6	69
2	CO escape from myoglobin with metadynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 1231-1236.	2.6	50
3	Influence of seasonal and environmental patterns on the lipid content and fatty acid profiles in gonads of the edible sea urchin <i>Paracentrotus lividus</i> from Sardinia. <i>Marine Environmental Research</i> , 2016, 113, 124-133.	2.5	42
4	A New Approach to Characterizing Sorption in Materials with Flexible Micropores. <i>Chemistry of Materials</i> , 2008, 20, 2908-2920.	6.7	41
5	A two-stage citric acid sol/gel synthesis of ZnO/SiO ₂ nanocomposites: study of precursors and final products. <i>Journal of Nanoparticle Research</i> , 2008, 10, 107-120.	1.9	40
6	Molecular details on gilthead sea bream (<i>Sparus aurata</i>) sensitivity to low water temperatures from 1H NMR metabolomics. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2017, 204, 129-136.	1.8	36
7	Single-crystal to single-crystal phase transition of cucurbit[5]uril hydrochloride hydrates: large water-filled channels transforming to layers of unusual stability. <i>Chemical Communications</i> , 2008, , 4927.	4.1	34
8	NMR Analysis of Seven Selections of Vermentino Grape Berry: Metabolites Composition and Development. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 793-802.	5.2	33
9	Metabolic response of yellow mealworm larvae to two alternative rearing substrates. <i>Metabolomics</i> , 2019, 15, 113.	3.0	33
10	Effect of freezing and drying processes on the molecular traits of edible yellow mealworm. <i>Innovative Food Science and Emerging Technologies</i> , 2018, 48, 138-149.	5.6	32
11	¹ H- and ¹³ C-NMR Characterization of the Molecular Components of the Lipid Fraction of Pecorino Sardo Cheese. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 1305-1316.	1.9	31
12	Addressing marketplace gilthead sea bream (<i>Sparus aurata</i> L.) differentiation by 1H NMR-based lipid fingerprinting. <i>Food Research International</i> , 2014, 63, 258-264.	6.2	29
13	NMR studies of zinc binding in a multi-histidinic peptide fragment. <i>Dalton Transactions</i> , 2010, 39, 1282-1294.	3.3	27
14	An NMR study on nickel binding sites in Cap43 protein fragments. <i>Dalton Transactions</i> , 2009, , 5523.	3.3	26
15	Effectiveness of sweet ovine whey powder in increasing the shelf life of Amaretti cookies. <i>LWT - Food Science and Technology</i> , 2011, 44, 1073-1078.	5.2	26
16	Impact of three commercial feed formulations on farmed gilthead sea bream (<i>Sparus aurata</i> , L.) metabolism as inferred from liver and blood serum proteomics. <i>Proteome Science</i> , 2014, 12, 44.	1.7	22
17	A new magnetic resonance imaging approach for discriminating Sardinian sheep milk cheese made from heat-treated or raw milk. <i>Journal of Dairy Science</i> , 2013, 96, 7393-7403.	3.4	19
18	Proteomic changes occurring along gonad maturation in the edible sea urchin <i>Paracentrotus lividus</i> . <i>Journal of Proteomics</i> , 2016, 144, 63-72.	2.4	19

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19	An MRI method for monitoring the ripening of Grana Padano cheese. <i>International Dairy Journal</i> , 2016, 52, 19-25.	3.0	16
20	Multidisciplinary analytical investigation of phospholipids and triglycerides in offshore farmed gilthead sea bream (<i>Sparus aurata</i>) fed commercial diets. <i>Food Chemistry</i> , 2013, 138, 1135-1144.	8.2	15
21	Insights on the relaxation of liposomes encapsulating paramagnetic Ln ³⁺ -based complexes. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 468-473.	3.0	15
22	Classification of Monovarietal Sardinian Extra Virgin Olive Oils by ¹ H NMR Metabolomic. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700035.	1.5	14
23	Liver proteomics of gilthead sea bream (<i>Sparus aurata</i>) exposed to cold stress. <i>Journal of Thermal Biology</i> , 2019, 82, 234-241.	2.5	14
24	Structure-Function Relationship in a Variant Hemoglobin: A Combined Computational-Experimental Approach. <i>Biophysical Journal</i> , 2006, 91, 3529-3541.	0.5	13
25	An unexpected formation of the spectroscopic CuI-semiquinone radical by Xenon-induced self-catalysis of a copper quinoprotein. <i>Biochimie</i> , 2006, 88, 827-835.	2.6	12
26	<i>Euphorbia</i> Peroxidase Catalyzes Thiocyanate Oxidation in Two Different Ways, the Distal Calcium Ion Playing an Essential Role. <i>Biochemistry</i> , 2010, 49, 8739-8747.	2.5	11
27	Lipid metabolism of sea urchin <i>Paracentrotus lividus</i> in two contrasting natural habitats. <i>Scientific Reports</i> , 2021, 11, 14174.	3.3	11
28	Biometric and metabolic profiles associated to different rearing conditions in offshore farmed gilthead sea bream (<i>Sparus aurata</i> L.). <i>Electrophoresis</i> , 2014, 35, 1590-1598.	2.4	10
29	The role of fatty acids and triglycerides in the gonads of <i>Paracentrotus lividus</i> from Sardinia: Growth, reproduction and cold acclimatization. <i>Marine Environmental Research</i> , 2017, 130, 113-121.	2.5	10
30	Evidences of Xenon-Induced Structural Changes in the Active Site of Cyano-MetMyoglobins: A ¹ H NMR Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15856-15866.	2.6	9
31	Effect of the manufacturing process on Fiore Sardo PDO cheese microstructure by multi-frequency NMR relaxometry. <i>Food Research International</i> , 2021, 140, 110079.	6.2	9
32	An important lysine residue in copper/quinone-containing amine oxidases. <i>FEBS Journal</i> , 2007, 274, 2585-2595.	4.7	8
33	Non-invasive monitoring of curd syneresis upon renneting of raw and heat-treated cow's and goat's milk. <i>International Dairy Journal</i> , 2019, 90, 95-97.	3.0	8
34	Liver proteome dataset of <i>Sparus aurata</i> exposed to low temperatures. <i>Data in Brief</i> , 2019, 26, 104419.	1.0	5
35	Quality Control in Fiore Sardo PDO Cheese: Detection of Heat Treatment Application and Production Chain by MRI Relaxometry and Image Analysis. <i>Dairy</i> , 2021, 2, 270-287.	2.0	5
36	On the Compatibility of Fish Meal Replacements in Aquafeeds for Rainbow Trout. A Combined Metabolomic, Proteomic and Histological Study. <i>Frontiers in Physiology</i> , 0, 13, .	2.8	5

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37	A low-field Nuclear Magnetic Resonance dataset of whole milk during coagulation and syneresis. Data in Brief, 2019, 26, 104520.	1.0	4
38	The Birth of Fluorescence from Thermally Polymerized Glycine. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	4
39	Growing Trial of Gilthead Sea Bream (<i>Sparus aurata</i>) Juveniles Fed on Chironomid Meal as a Partial Substitution for Fish Meal. Animals, 2019, 9, 144.	2.3	3
40	Molecular mobility changes after high-temperature, short-time pasteurization: An extended time-domain nuclear magnetic resonance screening of ewe milk. Journal of Dairy Science, 2020, 103, 9881-9892.	3.4	3
41	Structural characterization of recombinant human myoglobin isoforms by ¹ H and ¹²⁹ Xe NMR and molecular dynamics simulations. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1919-1929.	2.3	2
42	Proteomic dataset of <i>Paracentrotus lividus</i> gonads of different sexes and at different maturation stages. Data in Brief, 2016, 8, 824-827. Structural and Functional Characterization of a New Double Variant Haemoglobin	1.0	2
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