

Rafael Salto

List of Publications by Year in descending order

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68
papers

1,493
citations

361413
20
h-index

345221
36
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all docs

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docs citations

68
times ranked

2313
citing authors

#	ARTICLE	IF	CITATIONS
1	Beneficial Effects of Bovine Milk Exosomes in Metabolic Interorgan Cross-Talk. <i>Nutrients</i> , 2022, 14, 1442.	4.1	20
2	Quality More Than Quantity: The Use of Carbohydrates in High-Fat Diets to Tackle Obesity in Growing Rats. <i>Frontiers in Nutrition</i> , 2022, 9, 809865.	3.7	2
3	AhaP, A Quorum Quenching Acylase from <i>Psychrobacter</i> sp. M9-54-1 That Attenuates <i>Pseudomonas aeruginosa</i> and <i>Vibrio coralliilyticus</i> Virulence. <i>Marine Drugs</i> , 2021, 19, 16.	4.6	8
4	Single chain variable fragment fused to maltose binding protein: a modular nanocarrier platform for the targeted delivery of antitumorals. <i>Biomaterials Science</i> , 2021, 9, 1728-1738.	5.4	3
5	Poly(ethylene-imine)-Functionalized Magnetite Nanoparticles Derivatized with Folic Acid: Heating and Targeting Properties. <i>Polymers</i> , 2021, 13, 1599.	4.5	8
6	New Red-Emitting Chloride-Sensitive Fluorescent Protein with Biological Uses. <i>ACS Sensors</i> , 2021, 6, 2563-2573.	7.8	7
7	Quinolimide-based peptide biosensor for probing p25 in vitro and in living cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129929.	7.8	6
8	Polyethylenimine-“Bisphosphonate”-Cyclodextrin Ternary Conjugates: Supramolecular Systems for the Delivery of Antineoplastic Drugs. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12245-12260.	6.4	9
9	Synthesis, biological, and photophysical studies of molecular rotor-based fluorescent inhibitors of the trypanosome alternative oxidase. <i>European Journal of Medicinal Chemistry</i> , 2021, 220, 113470.	5.5	3
10	Dynamic Excimer (DYNEX) Imaging of Lipid Droplets. <i>ACS Sensors</i> , 2021, 6, 3632-3639.	7.8	4
11	Amphiphilic-like carbon dots as antitumoral drug vehicles and phototherapeutic agents. <i>Materials Chemistry Frontiers</i> , 2021, 5, 8151-8160.	5.9	6
12	Seeding and Growth of $\text{A}\beta$ -Amyloid Aggregates upon Interaction with Neuronal Cell Membranes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5035.	4.1	10
13	Dietary Complex and Slow Digestive Carbohydrates Prevent Fat Deposits During Catch-Up Growth in Rats. <i>Nutrients</i> , 2020, 12, 2568.	4.1	5
14	Detection by fluorescence microscopy of N-aminopeptidases in bacteria using an ICT sensor with multiphoton excitation: Usefulness for super-resolution microscopy. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128487.	7.8	5
15	<i>N</i> -Methyl- $\text{A}\beta$ -carboline alkaloids: structure-dependent photosensitizing properties and localization in subcellular domains. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6519-6530.	2.8	7
16	Simple and non-charged long-lived fluorescent intracellular organelle trackers. <i>Dyes and Pigments</i> , 2020, 183, 108649.	3.7	4
17	Programming Skeletal Muscle Metabolic Flexibility in Offspring of Male Rats in Response to Maternal Consumption of Slow Digesting Carbohydrates during Pregnancy. <i>Nutrients</i> , 2020, 12, 528.	4.1	6
18	Orthogonal cell polarity imaging by multiparametric fluorescence microscopy. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127770.	7.8	10

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19	A solvatofluorochromic silicon-substituted xanthene dye useful in bioimaging. <i>Dyes and Pigments</i> , 2019, 168, 264-272.	3.7	10
20	A Slow-Digesting Carbohydrate Diet during Rat Pregnancy Protects Offspring from Non-Alcoholic Fatty Liver Disease Risk through the Modulation of the Carbohydrate-Response Element and Sterol Regulatory Element Binding Proteins. <i>Nutrients</i> , 2019, 11, 844.	4.1	10
21	Acid anhydride coated carbon nanodots: activated platforms for engineering clicked (bio)nanoconstructs. <i>Nanoscale</i> , 2019, 11, 7850-7856.	5.6	12
22	New Thiol-Sensitive Dye Application for Measuring Oxidative Stress in Cell Cultures. <i>Scientific Reports</i> , 2019, 9, 1659.	3.3	10
23	PEI-NIR Heptamethine Cyanine Nanotheranostics for Tumor Targeted Gene Delivery. <i>Bioconjugate Chemistry</i> , 2018, 29, 2561-2575.	3.6	12
24	A Red-Emitting, Multidimensional Sensor for the Simultaneous Cellular Imaging of Biothiols and Phosphate Ions. <i>Sensors</i> , 2018, 18, 161.	3.8	9
25	Feeding a slowly digestible carbohydrate diet during pregnancy of insulin-resistant rats prevents the excess of adipogenesis in their offspring. <i>Journal of Nutritional Biochemistry</i> , 2018, 61, 183-196.	4.2	13
26	HqiA, a novel quorum-quenching enzyme which expands the AHL lactonase family. <i>Scientific Reports</i> , 2017, 7, 943.	3.3	54
27	Novel Promising Estrogenic Receptor Modulators: Cytotoxic and Estrogenic Activity of Benzanilides and Dithiobenzanilides. <i>PLoS ONE</i> , 2016, 11, e0145615.	2.5	17
28	Polyethyleneimine-Coated Gold Nanoparticles: Straightforward Preparation of Efficient DNA Delivery Nanocarriers. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3365-3375.	3.3	15
29	Conversion of leucine to β^2 -hydroxy- β^2 -methylbutyrate by β^2 -keto isocaproate dioxygenase is required for a potent stimulation of protein synthesis in L6 rat myotubes. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2016, 7, 68-78.	7.3	48
30	Apple polyphenol extract improves insulin sensitivity in vitro and in vivo in animal models of insulin resistance. <i>Nutrition and Metabolism</i> , 2016, 13, 32.	3.0	29
31	Polyelectrolyte Complexes of Low Molecular Weight PEI and Citric Acid as Efficient and Nontoxic Vectors for in Vitro and in Vivo Gene Delivery. <i>Bioconjugate Chemistry</i> , 2016, 27, 549-561.	3.6	36
32	New Dual Fluorescent Probe for Simultaneous Biothiol and Phosphate Bioimaging. <i>Chemistry - A European Journal</i> , 2015, 21, 14772-14779.	3.3	23
33	Frontispiece: New Dual Fluorescent Probe for Simultaneous Biothiol and Phosphate Bioimaging. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	3.3	0
34	In Vitro and in Vivo Evaluation of Novel Cross-Linked Saccharide Based Polymers as Bile Acid Sequestrants. <i>Molecules</i> , 2015, 20, 3716-3729.	3.8	12
35	β^2 -Hydroxy- β^2 -Methylbutyrate (HMB) Promotes Neurite Outgrowth in Neuro2a Cells. <i>PLoS ONE</i> , 2015, 10, e0135614.	2.5	54
36	β^2 -Hydroxy- β^2 -Methylbutyrate (HMB) Normalizes Dexamethasone-Induced Autophagy-Lysosomal Pathway in Skeletal Muscle. <i>PLoS ONE</i> , 2015, 10, e0117520.	2.5	53

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37	Engineered Glycated Amino Dendritic Polymers as Specific Nonviral Gene Delivery Vectors Targeting the Receptor for Advanced Glycation End Products. <i>Bioconjugate Chemistry</i> , 2014, 25, 1151-1161.	3.6	12
38	Activation of ERK by sodium tungstate induces protein synthesis and prevents protein degradation in rat L6 myotubes. <i>FEBS Letters</i> , 2014, 588, 2246-2254.	2.8	11
39	Real-Time Phosphate Sensing in Living Cells using Fluorescence Lifetime Imaging Microscopy (FLIM). <i>Journal of Physical Chemistry B</i> , 2013, 117, 8143-8149.	2.6	50
40	Alkyl sulfonyl derivatized PAMAM-G2 dendrimers as nonviral gene delivery vectors with improved transfection efficiencies. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 851-864.	2.8	50
41	From green to blue: Site-directed mutagenesis of the green fluorescent protein to teach protein structure-function relationships. <i>Biochemistry and Molecular Biology Education</i> , 2011, 39, 309-315.	1.2	14
42	Internalization of the Receptor for Advanced Glycation End Products (RAGE) is Required to Mediate Intracellular Responses. <i>Journal of Biochemistry</i> , 2009, 145, 21-30.	1.7	25
43	Salacia oblonga extract increases glucose transporter 4-mediated glucose uptake in L6 rat myotubes: Role of mangiferin. <i>Clinical Nutrition</i> , 2009, 28, 565-574.	5.0	65
44	Preorganized macromolecular gene delivery systems: amphiphilic β -cyclodextrin "click clusters". <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2681.	2.8	77
45	The glucose-lowering agent sodium tungstate increases the levels and translocation of GLUT4 in L6 myotubes through a mechanism associated with ERK1/2 and MEK2. <i>Diabetologia</i> , 2008, 51, 1285-1295.	6.3	22
46	Click multivalent neoglycoconjugates as synthetic activators in cell adhesion and stimulation of monocyte/macrophage cell lines. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2291-2301.	2.8	75
47	Plasmids from <i>Halomonas eurihalina</i> , a microorganism which produces an exopolysaccharide of biotechnological interest. <i>FEMS Microbiology Letters</i> , 2006, 156, 251-257.	1.8	16
48	AU-rich elements in the mRNA 3'-untranslated region of the rat receptor for advanced glycation end products and their relevance to mRNA stability. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 247-255.	2.1	19
49	Modulation of glucose transporters in rat diaphragm by sodium tungstate. <i>FEBS Letters</i> , 2003, 542, 84-88.	2.8	23
50	Fluorescence-labelled DNA probes to detect complementary sequences in homogeneous media. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 59, 9-14.	3.8	10
51	Evolution of pyruvate carboxylase and other biotin containing enzymes in developing rat liver and kidney. <i>Molecular and Cellular Biochemistry</i> , 1999, 200, 111-117.	3.1	13
52	Increased diaphragm expression of GLUT4 in control and streptozotocin-diabetic rats by fish oil-supplemented diets. <i>Lipids</i> , 1999, 34, 801-807.	1.7	16
53	Modulation of hepatic and intestinal Glutathione S-transferases and other antioxidant enzymes by dietary lipids in streptozotocin diabetic rats. <i>Chemosphere</i> , 1999, 38, 3003-3013.	8.2	18
54	Sequencing of Two Alternatively Spliced mRNAs Corresponding to the Extracellular Domain of the Rat Receptor for Advanced Glycosylation End Products (RAGE). <i>Biochemical and Biophysical Research Communications</i> , 1998, 251, 230-234.	2.1	14

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55	Plasmids from <i>Halomonas eurihalina</i> , a microorganism which produces an exopolysaccharide of biotechnological interest. <i>FEMS Microbiology Letters</i> , 1997, 156, 251-257.	1.8	1
56	Single Amino Acids Changes in the Signal Receptor Domain of XylR Resulted in Mutants That Stimulate Transcription in the Absence of Effectors. <i>Journal of Biological Chemistry</i> , 1995, 270, 5144-5150.	3.4	30
57	Citrate inhibition of rat-kidney cortex phosphofructokinase. <i>Molecular and Cellular Biochemistry</i> , 1994, 135, 123-128.	3.1	9
58	Mitochondrial pyruvate metabolism in liver and kidney during acidosis. <i>Cell Biochemistry and Function</i> , 1994, 12, 229-235.	2.9	3
59	Haloperidol-Based Irreversible Inhibitors of the HIV-1 and HIV-2 Proteases. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 665-673.	6.4	35
60	Regulation of rat-kidney cortex fructose-1,6-bisphosphatase activity. I. Effects of fructose-2,6-bisphosphate and divalent cations. <i>International Journal of Biochemistry & Cell Biology</i> , 1993, 25, 1963-1968.	0.5	8
61	Regulation of rat-kidney cortex fructose-1,6-bisphosphatase activity. II. Effects of adenine nucleotides. <i>International Journal of Biochemistry & Cell Biology</i> , 1993, 25, 1969-1974.	0.5	4
62	Inhibition of the HIV-1 and HIV-2 proteases by curcumin and curcumin boron complexes. <i>Bioorganic and Medicinal Chemistry</i> , 1993, 1, 415-422.	3.0	208
63	Ethylene in cherimoya fruit (<i>Annona cherimola</i> Mill.) under different storage conditions. <i>Journal of Agricultural and Food Chemistry</i> , 1993, 41, 721-723.	5.2	24
64	Structure of the protease from simian immunodeficiency virus: Complex with an irreversible nonpeptide inhibitor. <i>Biochemistry</i> , 1993, 32, 12498-12507.	2.5	39
65	Regulation of Rat-Renal Cortex Phosphofructokinase Activity by pH. <i>Enzyme & Protein</i> , 1993, 47, 99-104.	1.4	2
66	Specific inhibition of HIV-1 protease by boronated porphyrins. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 3426-3428.	6.4	50
67	Kinetic characterization of phosphofructokinase isolated from rat kidney cortex. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1991, 98, 495-500.	0.2	3
68	Distribution of pyruvate carboxylase along the rat nephron: An immunological and enzymatic study. <i>Kidney International</i> , 1991, 39, 1162-1167.	5.2	7