

Jos M Sanchez-Puelles

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

2,022
citations

22
h-index

35
g-index

35
ext. papers

2,149
ext. citations

5.6
avg, IF

3.88
L-index

#	Paper	IF	Citations
35	Modular organization of the lytic enzymes of <i>Streptococcus pneumoniae</i> and its bacteriophages. <i>Gene</i> , 1990 , 86, 81-8	3.8	159
34	Molecular evolution of lytic enzymes of <i>Streptococcus pneumoniae</i> and its bacteriophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 914-8	11.5	151
33	Deciphering the biosynthesis pathway of the antitumor thiocoraline from a marine actinomycete and its expression in two streptomyces species. <i>ChemBioChem</i> , 2006 , 7, 366-76	3.8	146
32	Aplidin induces apoptosis in human cancer cells via glutathione depletion and sustained activation of the epidermal growth factor receptor, Src, JNK, and p38 MAPK. <i>Journal of Biological Chemistry</i> , 2003 , 278, 241-50	5.4	124
31	Activated spinal cord ependymal stem cells rescue neurological function. <i>Stem Cells</i> , 2009 , 27, 733-43	5.8	122
30	Aplidin induces the mitochondrial apoptotic pathway via oxidative stress-mediated JNK and p38 activation and protein kinase C delta. <i>Oncogene</i> , 2002 , 21, 7533-44	9.2	118
29	Searching for autolysin functions. Characterization of a pneumococcal mutant deleted in the <i>lytA</i> gene. <i>FEBS Journal</i> , 1986 , 158, 289-93		115
28	Magnetobiosensors based on viral protein p19 for microRNA determination in cancer cells and tissues. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6168-71	16.4	104
27	Cloning and expression of gene fragments encoding the choline-binding domain of pneumococcal murein hydrolases. <i>Gene</i> , 1990 , 89, 69-75	3.8	102
26	FM19G11, a new hypoxia-inducible factor (HIF) modulator, affects stem cell differentiation status. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1333-42	5.4	91
25	Molecular characterization of the safracin biosynthetic pathway from <i>Pseudomonas fluorescens</i> A2-2: designing new cytotoxic compounds. <i>Molecular Microbiology</i> , 2005 , 56, 144-54	4.1	84
24	Biological role of the pneumococcal amidase. Cloning of the <i>lytA</i> gene in <i>Streptococcus pneumoniae</i> . <i>FEBS Journal</i> , 1987 , 164, 621-4		80
23	Immobilization and single-step purification of fusion proteins using DEAE-cellulose. <i>FEBS Journal</i> , 1992 , 203, 153-9		79
22	Hypoxia causes downregulation of mismatch repair system and genomic instability in stem cells. <i>Stem Cells</i> , 2008 , 26, 2052-62	5.8	70
21	Hypoxia-inducible factor 1 alpha contributes to cardiac healing in mesenchymal stem cells-mediated cardiac repair. <i>Stem Cells and Development</i> , 2013 , 22, 501-11	4.4	65
20	Auranofin efficacy against MDR <i>Streptococcus pneumoniae</i> and <i>Staphylococcus aureus</i> infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 2608-17	5.1	42
19	Simultaneous detection of two breast cancer-related miRNAs in tumor tissues using p19-based disposable amperometric magnetobiosensing platforms. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 385-91	11.8	42

18	Discorhabdins I and L, cytotoxic alkaloids from the sponge <i>Latrunculia brevis</i> . <i>Journal of Natural Products</i> , 2004 , 67, 463-5	4.9	39
17	SB-253514 and analogues; novel inhibitors of lipoprotein-associated phospholipase A2 produced by <i>Pseudomonas fluorescens</i> DSM 11579. I. Fermentation of producing strain, isolation and biological activity. <i>Journal of Antibiotics</i> , 2000 , 53, 664-9	3.7	36
16	3Fend modifications of the <i>Streptococcus pneumoniae</i> lytA gene: role of the carboxy terminus of the pneumococcal autolysin in the process of enzymatic activation (conversion). <i>Gene</i> , 1987 , 61, 13-9	3.8	27
15	Direct Determination of miR-21 in Total RNA Extracted from Breast Cancer Samples Using Magnetosensing Platforms and the p19 Viral Protein as Detector Bioreceptor. <i>Electroanalysis</i> , 2014 , 26, 2080-2087	3	25
14	Frailty Is Associated With Lower Expression of Genes Involved in Cellular Response to Stress: Results From the Toledo Study for Healthy Aging. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 734.e1-734.e7	5.9	22
13	Isolation, characterization and physiological properties of an autolytic-deficient mutant of <i>Streptococcus pneumoniae</i> . <i>Molecular Genetics and Genomics</i> , 1986 , 204, 237-42		22
12	Establishment and characterisation of a human carcinoma cell line with acquired resistance to Aplidin. <i>British Journal of Cancer</i> , 2004 , 91, 1405-13	8.7	21
11	Structure and Function of Prokaryotic UDP-Glucose Pyrophosphorylase, A Drug Target Candidate. <i>Current Medicinal Chemistry</i> , 2015 , 22, 1687-97	4.3	20
10	Molecular characterization of an autolysin-defective mutant of <i>Streptococcus pneumoniae</i> . <i>Biochemical and Biophysical Research Communications</i> , 1986 , 137, 614-9	3.4	18
9	FM19G11 reverses endothelial dysfunction in rat and human arteries through stimulation of the PI3K/Akt/eNOS pathway, independently of mTOR/HIF-1 β activation. <i>British Journal of Pharmacology</i> , 2015 , 172, 1277-91	8.6	17
8	New cytotoxic cembranes from the sea pen <i>Gyrophyllum sibogae</i> . <i>Journal of Natural Products</i> , 2004 , 67, 1190-2	4.9	16
7	Choline-binding domain as a novel affinity tag for purification of fusion proteins produced in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2001 , 74, 164-71	4.9	15
6	Synergistic neurite-outgrowth promoting activity of two related axonal proteins, Bravo/Nr-CAM and G4/Ng-CAM in chicken retinal explants. <i>European Journal of Neuroscience</i> , 1996 , 8, 1098-105	3.5	15
5	Multifunctional Albumin-Stabilized Gold Nanoclusters for the Reduction of Cancer Stem Cells. <i>Cancers</i> , 2019 , 11,	6.6	13
4	FM19G11: A new modulator of HIF that links mTOR activation with the DNA damage checkpoint pathways. <i>Cell Cycle</i> , 2010 , 9, 2875-2885	4.7	9
3	<i>Chryso sporium fluviale</i> , a new keratinophilic species from river sediments. <i>Mycological Research</i> , 2000 , 104, 244-250		8
2	The biology of HIF β proteins in cell differentiation and disease. <i>Vitamins and Hormones</i> , 2011 , 87, 367-79	2.5	5
1	Searching for the Evolutionary Design of the Pneumococcal Cell Wall Lytic Enzymes 1993 , 253-259		

