Mercedes Campillo

List of Publications by Year
in descending order

64	2,407	147726 31	206029 48
papers	citations	h-index	g-index

68	68	68	3140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glycoprotein hormone receptors: determinants in leucine-rich repeats responsible for ligand specificity. EMBO Journal, 2003, 22, 2692-2703.	3.5	184
2	Risk, Predictors, and Clinical Characteristics of Lymphoma Development in Primary SjÃ¶gren's Syndrome. Seminars in Arthritis and Rheumatism, 2011, 41, 415-423.	1.6	139
3	An epidemiological comparison of pain complaints in the general population of Catalonia (Spain). Pain, 1999, 83, 9-16.	2.0	133
4	The Role of Internal Water Molecules in the Structure and Function of the Rhodopsin Family of G Protein-Coupled Receptors. ChemBioChem, 2007, 8, 19-24.	1.3	118
5	Synthesis and Pharmacophore Modeling of Naphthoquinone Derivatives with Cytotoxic Activity in Human Promyelocytic Leukemia HL-60 Cell Line. Journal of Medicinal Chemistry, 2007, 50, 696-706.	2.9	115
6	Registry of the Spanish Network for Systemic Sclerosis: Clinical Pattern According to Cutaneous Subsets and Immunological Status. Seminars in Arthritis and Rheumatism, 2012, 41, 789-800.	1.6	92
7	A Three-Dimensional Pharmacophore Model for 5-Hydroxytryptamine6(5-HT6) Receptor Antagonists. Journal of Medicinal Chemistry, 2005, 48, 4216-4219.	2.9	91
8	Ser and Thr Residues Modulate the Conformation of Pro-Kinked Transmembrane Î±-Helices. Biophysical Journal, 2004, 86, 105-115.	0.2	87
9	Optimization of the Pharmacophore Model for 5-HT7R Antagonism. Design and Synthesis of New Naphtholactam and Naphthosultam Derivatives. Journal of Medicinal Chemistry, 2003, 46, 5638-5650.	2.9	73
10	Analysis of nine chromosome probes in first polar bodies and metaphase II oocytes for the detection of aneuploidies. European Journal of Human Genetics, 2003, 11, 325-336.	1.4	70
11	Molecular Determinants of MAO Selectivity in a Series of Indolylmethylamine Derivatives:Â Biological Activities, 3D-QSAR/CoMFA Analysis, and Computational Simulation of Ligand Recognition. Journal of Medicinal Chemistry, 2000, 43, 1684-1691.	2.9	68
12	Benzimidazole Derivatives as New Serotonin 5-HT₆ Receptor Antagonists. Molecular Mechanisms of Receptor Inactivation. Journal of Medicinal Chemistry, 2010, 53, 1357-1369.	2.9	61
13	Synthesis and Structureâ^'Activity Relationships of a New Model of Arylpiperazines. 8.1Computational Simulation of Ligandâ^'Receptor Interaction of 5-HT1AR Agonists with Selectivity over Î±1-Adrenoceptors. Journal of Medicinal Chemistry, 2005, 48, 2548-2558.	2.9	59
14	Crossover frequency and synaptonemal complex length: their variability and effects on human male meiosis. Molecular Human Reproduction, 2006, 12, 123-133.	1.3	55
15	Conformational Toggle Switches Implicated in Basal Constitutive and Agonist-Induced Activated States of 5-Hydroxytryptamine-4 Receptors. Molecular Pharmacology, 2009, 75, 982-990.	1.0	52
16	On the Mechanism of Interaction of Potent Surmountable and Insurmountable Antagonists with the Prostaglandin D2 Receptor CRTH2. Molecular Pharmacology, 2006, 69, 1441-1453.	1.0	48
17	The specificity of binding of glycoprotein hormones to their receptors. Cellular and Molecular Life Sciences, 2008, 65, 2484-2492.	2.4	48
18	Synthesis of New Serotonin 5-HT₇ Receptor Ligands. Determinants of 5-HT₇/5-HT_{1A} Receptor Selectivity. Journal of Medicinal Chemistry, 2009, 52, 2384-2392.	2.9	48

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19	Synapsis and meiotic recombination analyses: MLH1 focus in the XY pair as an indicator. Human Reproduction, 2005, 20, 2133-2139.	0.4	47
20	Dihidro-β-Agarofuran Sesquiterpenes: A New Class of Reversal Agents of the Multidrug Resistance Phenotype Mediated by P-Glycoprotein in the Protozoan Parasite Leishmania. Current Pharmaceutical Design, 2005, 11, 3125-3139.	0.9	46
21	The importance of aneuploidy screening in reciprocal translocation carriers. Reproduction, 2006, 131, 1025-1035.	1.1	46
22	Structural Models of Class A G Protein-Coupled Receptors as a Tool for Drug Design: Insights on Transmembrane Bundle Plasticity. Current Topics in Medicinal Chemistry, 2007, 7, 991-998.	1.0	45
23	SAR Studies of Dihydro-Î²-agarofuran Sesquiterpenes as Inhibitors of the Multidrug-Resistance Phenotype in aLeishmaniatropicaLine Overexpressing a P-Glycoprotein-Like Transporter. Journal of Medicinal Chemistry, 2004, 47, 576-587.	2.9	43
24	Electronic aspects of LADH catalytic mechanism. International Journal of Quantum Chemistry, 1991, 39, 767-786.	1.0	42
25	Sitamaquine Overcomes ABC-Mediated Resistance to Miltefosine and Antimony inLeishmania. Antimicrobial Agents and Chemotherapy, 2011, 55, 3838-3844.	1.4	41
26	Biological Evaluation, Structureâ^'Activity Relationships, and Three-Dimensional Quantitative Structureâ^'Activity Relationship Studies of Dihydro-Î²-agarofuran Sesquiterpenes as Modulators of P-Glycoprotein-Dependent Multidrug Resistance. Journal of Medicinal Chemistry, 2007, 50, 4808-4817.	2.9	39
27	Age-related survival and clinical features in systemic sclerosis patients older or younger than 65 at diagnosis. Rheumatology, 2010, 49, 1112-1117.	0.9	36
28	Benzimidazole Derivatives. 3. 3D-QSAR/CoMFA Model and Computational Simulation for the Recognition of 5-HT4Receptor Antagonists. Journal of Medicinal Chemistry, 2002, 45, 4806-4815.	2.9	35
29	Quantum chemical study of the molecular patterns of MAO inhibitors and substrates. International Journal of Quantum Chemistry, 1983, 23, 1627-1641.	1.0	33
30	Quantum chemical structure-activity relationships on Î²-carbolines as natural monoamine oxidase inhibitors. International Journal of Quantum Chemistry, 1983, 23, 1643-1652.	1.0	33
31	Diplogelasinospora grovesii IMI 171018, a new whole cell biocatalyst for the stereoselective reduction of ketones. Tetrahedron: Asymmetry, 2004, 15, 951-962.	1.8	32
32	Analysis of replication protein A (RPA) in human spermatogenesis. Molecular Human Reproduction, 2007, 13, 837-844.	1.3	28
33	Influence of the gâ^' conformation of Ser and Thr on the structure of transmembrane helices. Journal of Structural Biology, 2010, 169, 116-123.	1.3	27
34	The Seventh Transmembrane Domains of the Î´ and Îº Opioid Receptors Have Different Accessibility Patterns and Interhelical Interactions. Biochemistry, 2005, 44, 16014-16025.	1.2	22
35	GPCRtm: An amino acid substitution matrix for the transmembrane region of class A G Protein-Coupled Receptors. BMC Bioinformatics, 2015, 16, 206.	1.2	21
36	Computational model of the complex between GR113808 and the 5-HT4 receptor guided by site-directed mutagenesis and the crystal structure of rhodopsin. Journal of Computer-Aided Molecular Design, 2001, 15, 1025-1033.	1.3	20

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37	Binding Mechanisms of TATA Box-Binding Proteins: DNA Kinking is Stabilized by Specific Hydrogen Bonds. Biophysical Journal, 2000, 78, 1988-1996.	0.2	19
38	3-D-QSAR/CoMFA and recognition models of benzimidazole derivatives at the 5-HT4 receptor. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2807-2811.	1.0	18
39	5-HT4 Receptor Antagonists: Structure-Affinity Relationships and Ligand- Receptor Interactions. Current Topics in Medicinal Chemistry, 2002, 2, 625-641.	1.0	17
40	Binding of proteins to the minor groove of DNA: What are the structural and energetic determinants for kinking a basepair step?. Journal of Computational Chemistry, 2003, 24, 682-691.	1.5	16
41	The influence of solvation on the mechanism of ethylene and benzene methylation. Chemical Physics Letters, 1982, 85, 225-228.	1.2	14
42	Calibrating nucleic acids torsional energetics in force-field: insights from model compounds. Computational and Theoretical Chemistry, 2001, 537, 283-305.	1.5	14
43	The mutational landscape of human olfactory G protein-coupled receptors. BMC Biology, 2021, 19, 21.	1.7	14
44	Does the S phase have an impact on the accuracy of comparative genomic hybridization profiles in single fibroblasts and human blastomeres?. Fertility and Sterility, 2014, 101, 488-495.e3.	0.5	12
45	The effect of the molecular mechanism of G protein-coupled receptor activation on the process of signal transduction. European Journal of Pharmacology, 1997, 335, 73-87.	1.7	11
46	The importance of solvation in the design of ligands targeting membrane proteins. MedChemComm, 2011, 2, 160.	3.5	11
47	The Role of Hydrophobic Amino Acids in the Structure and Function of the Rhodopsin Family of G Protein-Coupled Receptors. Methods in Enzymology, 2013, 520, 99-115.	0.4	11
48	Genomic Imbalances in Urothelial Cancer: Intratumor Heterogeneity Versus Multifocality. Diagnostic Molecular Pathology, 2008, 17, 134-140.	2.1	10
49	Charge-charge and cation-Ï€ interactions in ligand binding to G protein-coupled receptors. Theoretical Chemistry Accounts, 2007, 118, 579-588.	0.5	8
50	Non-meiotic chromosome instability in human immature oocytes. European Journal of Human Genetics, 2014, 22, 202-207.	1.4	8
51	TMSNP: a web server to predict pathogenesis of missense mutations in the transmembrane region of membrane proteins. NAR Genomics and Bioinformatics, 2021, 3, lqab008.	1.5	7
52	The use of a cell-cycle phase-marker may decrease the percentage of errors when using FISH in PGD. Cytogenetic and Genome Research, 2004, 105, 29-35.	0.6	6
53	Comparative Genomic Hybridization Analysis Reveals New Different Subgroups in Early-stage Bladder Tumors. Urology, 2010, 75, 347-355.	0.5	6
54	Development of Non-Peptide Ligands of Growth Factor Receptor-Bound Protein 2-Src Homology 2 Domain Using Molecular Modeling and NMR Spectroscopyâ€. Journal of Medicinal Chemistry, 2011, 54, 1096-1100.	2.9	6

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55	Benzimidazole derivatives. 4. The recognition of the voluminous substituent attached to the basic amino group of 5-HT4receptor antagonists. Journal of Computer-Aided Molecular Design, 2003, 17, 515-524.	1.3	5
56	Theoretical studies of transplantation antigens: Predicted conformation and structure-function relationship of the murine MHC class i antigen H-2Kb. Computational and Theoretical Chemistry, 1988, 179, 27-39.	1.5	3
57	Atomic energy levels from configuration interaction calculations with relativistic corrections. International Journal of Quantum Chemistry, 1989, 35, 325-330.	1.0	3
58	Inter-residue interactions in alpha-helical transmembrane proteins. Bioinformatics, 2019, 35, 2578-2584.	1.8	3
59	The structure and activity of membrane receptors: computational simulation of histamine H2-receptor activation. Computational and Theoretical Chemistry, 1996, 371, 279-286.	1.5	2
60	Influencia de la metodologÃa docente en la adquisiciÃ³n rÃ¡pida de conocimientos. Educacion Medica, 2003, 6, .	0.3	2
61	Separation between the digestive and the respiratory lumina during the human embryonic period: morphometric study along the tracheo-oesophageal septum. Journal of Anatomy, 2001, 198, 117-124.	0.9	1
62	Diplogelasinospora grovesii IMI 171018, a New Whole Cell Biocatalyst for the Stereoselective Reduction of Ketones.. ChemInform, 2004, 35, no.	0.1	1
63	Influencia del estudio personal en la adquisiciÃ³n de conocimientos. Educacion Medica, 2003, 6, .	0.3	0
64	Effect of different preservation solutions on adenine nucleotide content and metabolism in human kidney transplantation. Transplant International, 1994, 7, 96-100.	0.8	0