

# Mercedes Campillo

## List of Publications by Year in descending order

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64  
papers

2,407  
citations

147726

31  
h-index

206029

48  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3140  
citing authors

#	ARTICLE	IF	CITATIONS
1	TMSNP: a web server to predict pathogenesis of missense mutations in the transmembrane region of membrane proteins. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqab008.	1.5	7
2	The mutational landscape of human olfactory G protein-coupled receptors. <i>BMC Biology</i> , 2021, 19, 21.	1.7	14
3	Inter-residue interactions in alpha-helical transmembrane proteins. <i>Bioinformatics</i> , 2019, 35, 2578-2584.	1.8	3
4	GPCRtm: An amino acid substitution matrix for the transmembrane region of class A G Protein-Coupled Receptors. <i>BMC Bioinformatics</i> , 2015, 16, 206.	1.2	21
5	Non-meiotic chromosome instability in human immature oocytes. <i>European Journal of Human Genetics</i> , 2014, 22, 202-207.	1.4	8
6	Does the S phase have an impact on the accuracy of comparative genomic hybridization profiles in single fibroblasts and human blastomeres?. <i>Fertility and Sterility</i> , 2014, 101, 488-495.e3.	0.5	12
7	The Role of Hydrophobic Amino Acids in the Structure and Function of the Rhodopsin Family of G Protein-Coupled Receptors. <i>Methods in Enzymology</i> , 2013, 520, 99-115.	0.4	11
8	Registry of the Spanish Network for Systemic Sclerosis: Clinical Pattern According to Cutaneous Subsets and Immunological Status. <i>Seminars in Arthritis and Rheumatism</i> , 2012, 41, 789-800.	1.6	92
9	The importance of solvation in the design of ligands targeting membrane proteins. <i>MedChemComm</i> , 2011, 2, 160.	3.5	11
10	Development of Non-Peptide Ligands of Growth Factor Receptor-Bound Protein 2-Src Homology 2 Domain Using Molecular Modeling and NMR Spectroscopy. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1096-1100.	2.9	6
11	Risk, Predictors, and Clinical Characteristics of Lymphoma Development in Primary Sjögren's Syndrome. <i>Seminars in Arthritis and Rheumatism</i> , 2011, 41, 415-423.	1.6	139
12	Sitamaquine Overcomes ABC-Mediated Resistance to Miltefosine and Antimony in <i>Leishmania</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3838-3844.	1.4	41
13	Age-related survival and clinical features in systemic sclerosis patients older or younger than 65 at diagnosis. <i>Rheumatology</i> , 2010, 49, 1112-1117.	0.9	36
14	Benzimidazole Derivatives as New Serotonin 5-HT <sub>6</sub> Receptor Antagonists. Molecular Mechanisms of Receptor Inactivation. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1357-1369.	2.9	61
15	Influence of the $\alpha^2$ conformation of Ser and Thr on the structure of transmembrane helices. <i>Journal of Structural Biology</i> , 2010, 169, 116-123.	1.3	27
16	Comparative Genomic Hybridization Analysis Reveals New Different Subgroups in Early-stage Bladder Tumors. <i>Urology</i> , 2010, 75, 347-355.	0.5	6
17	Conformational Toggle Switches Implicated in Basal Constitutive and Agonist-Induced Activated States of 5-Hydroxytryptamine-4 Receptors. <i>Molecular Pharmacology</i> , 2009, 75, 982-990.	1.0	52
18	Synthesis of New Serotonin 5-HT <sub>7</sub> Receptor Ligands. Determinants of 5-HT <sub>7</sub> /5-HT <sub>1A</sub> Receptor Selectivity. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2384-2392.	2.9	48

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19	The specificity of binding of glycoprotein hormones to their receptors. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2484-2492.	2.4	48
20	Genomic Imbalances in Urothelial Cancer: Intratumor Heterogeneity Versus Multifocality. <i>Diagnostic Molecular Pathology</i> , 2008, 17, 134-140.	2.1	10
21	Structural Models of Class A G Protein-Coupled Receptors as a Tool for Drug Design: Insights on Transmembrane Bundle Plasticity. <i>Current Topics in Medicinal Chemistry</i> , 2007, 7, 991-998.	1.0	45
22	Analysis of replication protein A (RPA) in human spermatogenesis. <i>Molecular Human Reproduction</i> , 2007, 13, 837-844.	1.3	28
23	Synthesis and Pharmacophore Modeling of Naphthoquinone Derivatives with Cytotoxic Activity in Human Promyelocytic Leukemia HL-60 Cell Line. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 696-706.	2.9	115
24	Biological Evaluation, Structure-Activity Relationships, and Three-Dimensional Quantitative Structure-Activity Relationship Studies of Dihydro- $\delta^2$ -agarofuran Sesquiterpenes as Modulators of P-Glycoprotein-Dependent Multidrug Resistance. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4808-4817.	2.9	39
25	The Role of Internal Water Molecules in the Structure and Function of the Rhodopsin Family of G Protein-Coupled Receptors. <i>ChemBioChem</i> , 2007, 8, 19-24.	1.3	118
26	Charge-charge and cation- $\pi$ interactions in ligand binding to G protein-coupled receptors. <i>Theoretical Chemistry Accounts</i> , 2007, 118, 579-588.	0.5	8
27	Crossover frequency and synaptonemal complex length: their variability and effects on human male meiosis. <i>Molecular Human Reproduction</i> , 2006, 12, 123-133.	1.3	55
28	The importance of aneuploidy screening in reciprocal translocation carriers. <i>Reproduction</i> , 2006, 131, 1025-1035.	1.1	46
29	On the Mechanism of Interaction of Potent Surmountable and Insurmountable Antagonists with the Prostaglandin D2 Receptor CRTH2. <i>Molecular Pharmacology</i> , 2006, 69, 1441-1453.	1.0	48
30	Dihydro- $\delta^2$ -Agarofuran Sesquiterpenes: A New Class of Reversal Agents of the Multidrug Resistance Phenotype Mediated by P-Glycoprotein in the Protozoan Parasite <i>Leishmania</i> . <i>Current Pharmaceutical Design</i> , 2005, 11, 3125-3139.	0.9	46
31	Synapsis and meiotic recombination analyses: MLH1 focus in the XY pair as an indicator. <i>Human Reproduction</i> , 2005, 20, 2133-2139.	0.4	47
32	The Seventh Transmembrane Domains of the $\mu$ and $\delta$ Opioid Receptors Have Different Accessibility Patterns and Interhelical Interactions. <i>Biochemistry</i> , 2005, 44, 16014-16025.	1.2	22
33	Synthesis and Structure-Activity Relationships of a New Model of Arylpiperazines. 8.1 Computational Simulation of Ligand-Receptor Interaction of 5-HT1AR Agonists with Selectivity over $\beta$ -1-Adrenoceptors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 2548-2558.	2.9	59
34	A Three-Dimensional Pharmacophore Model for 5-Hydroxytryptamine <sub>6</sub> (5-HT <sub>6</sub> ) Receptor Antagonists. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4216-4219.	2.9	91
35	The use of a cell-cycle phase-marker may decrease the percentage of errors when using FISH in PGD. <i>Cytogenetic and Genome Research</i> , 2004, 105, 29-35.	0.6	6
36	<i>Diplogelasinospora grovesii</i> IMI 171018, a New Whole Cell Biocatalyst for the Stereoselective Reduction of Ketones. <i>ChemInform</i> , 2004, 35, no.	0.1	1

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37	Diplogelasinospora grovesii IMI 171018, a new whole cell biocatalyst for the stereoselective reduction of ketones. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 951-962.	1.8	32
38	SAR Studies of Dihydro- $\hat{1}^2$ -agarofuran Sesquiterpenes as Inhibitors of the Multidrug-Resistance Phenotype in a <i>Leishmaniatropicalis</i> Line Overexpressing a P-Glycoprotein-Like Transporter. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 576-587.	2.9	43
39	Ser and Thr Residues Modulate the Conformation of Pro-Kinked Transmembrane $\hat{1}^{\pm}$ -Helices. <i>Biophysical Journal</i> , 2004, 86, 105-115.	0.2	87
40	Benzimidazole derivatives. 4. The recognition of the voluminous substituent attached to the basic amino group of 5-HT <sub>4</sub> receptor antagonists. <i>Journal of Computer-Aided Molecular Design</i> , 2003, 17, 515-524.	1.3	5
41	Glycoprotein hormone receptors: determinants in leucine-rich repeats responsible for ligand specificity. <i>EMBO Journal</i> , 2003, 22, 2692-2703.	3.5	184
42	Binding of proteins to the minor groove of DNA: What are the structural and energetic determinants for kinking a basepair step?. <i>Journal of Computational Chemistry</i> , 2003, 24, 682-691.	1.5	16
43	Analysis of nine chromosome probes in first polar bodies and metaphase II oocytes for the detection of aneuploidies. <i>European Journal of Human Genetics</i> , 2003, 11, 325-336.	1.4	70
44	Optimization of the Pharmacophore Model for 5-HT <sub>7</sub> R Antagonism. Design and Synthesis of New Naphtholactam and Naphthosultam Derivatives. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5638-5650.	2.9	73
45	Influencia de la metodologÃa docente en la adquisiciÃn rÃpida de conocimientos. <i>Educacion Medica</i> , 2003, 6, .	0.3	2
46	Influencia del estudio personal en la adquisiciÃn de conocimientos. <i>Educacion Medica</i> , 2003, 6, .	0.3	0
47	5-HT <sub>4</sub> Receptor Antagonists: Structure-Affinity Relationships and Ligand- Receptor Interactions. <i>Current Topics in Medicinal Chemistry</i> , 2002, 2, 625-641.	1.0	17
48	Benzimidazole Derivatives. 3. 3D-QSAR/CoMFA Model and Computational Simulation for the Recognition of 5-HT <sub>4</sub> Receptor Antagonists. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 4806-4815.	2.9	35
49	Separation between the digestive and the respiratory lumina during the human embryonic period: morphometric study along the tracheo-oesophageal septum. <i>Journal of Anatomy</i> , 2001, 198, 117-124.	0.9	1
50	3-D-QSAR/CoMFA and recognition models of benzimidazole derivatives at the 5-HT <sub>4</sub> receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2807-2811.	1.0	18
51	Computational model of the complex between GR113808 and the 5-HT <sub>4</sub> receptor guided by site-directed mutagenesis and the crystal structure of rhodopsin. <i>Journal of Computer-Aided Molecular Design</i> , 2001, 15, 1025-1033.	1.3	20
52	Calibrating nucleic acids torsional energetics in force-field: insights from model compounds. <i>Computational and Theoretical Chemistry</i> , 2001, 537, 283-305.	1.5	14
53	Binding Mechanisms of TATA Box-Binding Proteins: DNA Kinking is Stabilized by Specific Hydrogen Bonds. <i>Biophysical Journal</i> , 2000, 78, 1988-1996.	0.2	19
54	Molecular Determinants of MAO Selectivity in a Series of Indolylmethylamine Derivatives: Biological Activities, 3D-QSAR/CoMFA Analysis, and Computational Simulation of Ligand Recognition. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 1684-1691.	2.9	68

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55	An epidemiological comparison of pain complaints in the general population of Catalonia (Spain). <i>Pain</i> , 1999, 83, 9-16.	2.0	133
56	The effect of the molecular mechanism of G protein-coupled receptor activation on the process of signal transduction. <i>European Journal of Pharmacology</i> , 1997, 335, 73-87.	1.7	11
57	The structure and activity of membrane receptors: computational simulation of histamine H2-receptor activation. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 279-286.	1.5	2
58	Effect of different preservation solutions on adenine nucleotide content and metabolism in human kidney transplantation. <i>Transplant International</i> , 1994, 7, 96-100.	0.8	0
59	Electronic aspects of LADH catalytic mechanism. <i>International Journal of Quantum Chemistry</i> , 1991, 39, 767-786.	1.0	42
60	Atomic energy levels from configuration interaction calculations with relativistic corrections. <i>International Journal of Quantum Chemistry</i> , 1989, 35, 325-330.	1.0	3
61	Theoretical studies of transplantation antigens: Predicted conformation and structure-function relationship of the murine MHC class I antigen H-2Kb. <i>Computational and Theoretical Chemistry</i> , 1988, 179, 27-39.	1.5	3
62	Quantum chemical study of the molecular patterns of MAO inhibitors and substrates. <i>International Journal of Quantum Chemistry</i> , 1983, 23, 1627-1641.	1.0	33
63	Quantum chemical structure-activity relationships on $\beta^2$ -carbolines as natural monoamine oxidase inhibitors. <i>International Journal of Quantum Chemistry</i> , 1983, 23, 1643-1652.	1.0	33
64	The influence of solvation on the mechanism of ethylene and benzene methylation. <i>Chemical Physics Letters</i> , 1982, 85, 225-228.	1.2	14