

Giorgio Colombo

List of Publications by Year in Descending Order

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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.

221
papers

6,447
citations

44
h-index

68
g-index

237
ext. papers

7,273
ext. citations

6
avg, IF

5.93
L-index

#	Paper	IF	Citations
221	Protein allostery and ligand design: Computational design meets experiments to discover novel chemical probes.. <i>Journal of Molecular Biology</i> , 2022 , 167468	6.5	2
220	Transcription factor protein interactomes reveal genetic determinants in heart disease.. <i>Cell</i> , 2022 ,	56.2	3
219	Machine Learning of Allosteric Effects: The Analysis of Ligand-Induced Dynamics to Predict Functional Effects in TRAP1. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 101-114	3.4	14
218	Bow to the enemy: How flexibility of host protein receptors can favor SARS-CoV-2. <i>Biophysical Journal</i> , 2021 , 120, 977-979	2.9	0
217	Honokiol Bis-Dichloroacetate Is a Selective Allosteric Inhibitor of the Mitochondrial Chaperone TRAP1. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 505-516	8.4	11
216	Machine Learning Prediction of Allosteric Drug Activity from Molecular Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 3724-3732	6.4	14
215	HIF1 β -dependent induction of the mitochondrial chaperone TRAP1 regulates bioenergetic adaptations to hypoxia. <i>Cell Death and Disease</i> , 2021 , 12, 434	9.8	5
214	Atomistic Simulations of the Mechanisms of the Poorly Catalytic Mitochondrial Chaperone Trap1: Insights into the Effects of Structural Asymmetry on Reactivity. <i>ACS Catalysis</i> , 2021 , 11, 8605-8620	13.1	2
213	The molecular chaperone TRAP1 in cancer: From the basics of biology to pharmacological targeting. <i>Seminars in Cancer Biology</i> , 2021 , 76, 45-53	12.7	5
212	On the binding of naphthalene diimides to a human telomeric G-quadruplex multimer model. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 1320-1334	7.9	14
211	Visualizing the Dynamics of a Protein Folding Machinery: The Mechanism of Asymmetric ATP Processing in Hsp90 and its Implications for Client Remodelling. <i>Journal of Molecular Biology</i> , 2021 , 433, 166728	6.5	3
210	Disruption of protein phosphatase 1 complexes with the use of biopeptides as a novel approach to target sperm motility. <i>Fertility and Sterility</i> , 2021 , 115, 348-362	4.8	3
209	Biocompatible graft copolymers from bacterial poly(ϵ -glutamic acid) and poly(lactic acid). <i>Polymer Chemistry</i> , 2021 , 12, 3784-3793	4.9	6
208	New perspectives in cancer drug development: computational advances with an eye to design. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 1491-1502	3.5	4
207	Exploiting Folding and Degradation Machineries To Target Undruggable Proteins: What Can a Computational Approach Tell Us?. <i>ChemMedChem</i> , 2021 , 16, 1593-1599	3.7	1
206	The Binding Pocket at the Interface of Multimeric Telomere G-quadruplexes: Myth or Reality?. <i>Chemistry - A European Journal</i> , 2021 , 27, 11707-11720	4.8	1
205	Targeting the mitochondrial chaperone TRAP1: strategies and therapeutic perspectives. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 566-576	13.2	9

204	The tumor suppressor folliculin inhibits lactate dehydrogenase A and regulates the Warburg effect. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 662-670	17.6	4
203	Chemical Chaperones Modulate the Formation of Metabolite Assemblies. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
202	SARS-CoV-2 Spike Protein Mutations and Escape from Antibodies: A Computational Model of Epitope Loss in Variants of Concern. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 4687-4700	6.1	10
201	Revealing Escherichia coli type II L-asparaginase active site flexible loop in its open, ligand-free conformation. <i>Scientific Reports</i> , 2021 , 11, 18885	4.9	1
200	Analysis of Hsp90 allosteric modulators interactome reveals a potential dual action mode involving mitochondrial MDH2. <i>Bioorganic Chemistry</i> , 2021 , 115, 105258	5.1	
199	Chemical Perturbation of Oncogenic Protein Folding: from the Prediction of Locally Unstable Structures to the Design of Disruptors of Hsp90-Client Interactions. <i>Chemistry - A European Journal</i> , 2020 , 26, 9459-9465	4.8	28
198	Mechanistic Model for the Hsp90-Driven Opening of Human Argonaute. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 1469-1480	6.1	2
197	Dual Binding to Orthosteric and Allosteric Sites Enhances the Anticancer Activity of a TRAP1-Targeting Drug. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 2930-2940	8.3	10
196	Tryptophan scanning mutagenesis as a way to mimic the compound-bound state and probe the selectivity of allosteric inhibitors in cells. <i>Chemical Science</i> , 2020 , 11, 1892-1904	9.4	6
195	Design of Disruptors of the Hsp90-Cdc37 Interface. <i>Molecules</i> , 2020 , 25,	4.8	8
194	Frontispiece: Designing Molecular Spanners to Throw in the Protein Networks. <i>Chemistry - A European Journal</i> , 2020 , 26,	4.8	2
193	Molecular Dynamics Performance Evaluation with Modern Computer Architecture. <i>Lecture Notes in Computer Science</i> , 2020 , 322-329	0.9	
192	Designing Molecular Spanners to Throw in the Protein Networks. <i>Chemistry - A European Journal</i> , 2020 , 26, 4656-4670	4.8	22
191	Setup and Validation of a Reliable Docking Protocol for the Development of Neuroprotective Agents by Targeting the Sigma-1 Receptor (S1R). <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
190	Simple Model of Protein Energetics To Identify Ab Initio Folding Transitions from All-Atom MD Simulations of Proteins. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 5960-5971	6.4	6
189	Dynamically Shaping Chaperones. Allosteric Modulators of HSP90 Family as Regulatory Tools of Cell Metabolism in Neoplastic Progression. <i>Frontiers in Oncology</i> , 2020 , 10, 1177	5.3	11
188	The Answer Lies in the Energy: How Simple Atomistic Molecular Dynamics Simulations May Hold the Key to Epitope Prediction on the Fully Glycosylated SARS-CoV-2 Spike Protein. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8084-8093	6.4	24
187	Rational Design of Allosteric and Selective Inhibitors of the Molecular Chaperone TRAP1. <i>Cell Reports</i> , 2020 , 31, 107531	10.6	32

186	Ligand Binding, Unbinding, and Allosteric Effects: Deciphering Small-Molecule Modulation of HSP90. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 6368-6381	6.4	26
185	Computational Analysis of Dengue Virus Envelope Protein (E) Reveals an Epitope with Flavivirus Immunodiagnostic Potential in Peptide Microarrays. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	21
184	The Subtle Trade-Off between Evolutionary and Energetic Constraints in Protein-Protein Interactions. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1489-1497	6.4	16
183	Peptides for Infectious Diseases: From Probe Design to Diagnostic Microarrays. <i>Antibodies</i> , 2019 , 8,	7	12
182	Mechanisms of Metabolite Amyloid Formation: Computational Studies for Drug Design against Metabolic Disorders. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 666-670	4.3	4
181	Rational design of allosteric modulators of the aromatase enzyme: An unprecedented therapeutic strategy to fight breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2019 , 168, 253-262	6.8	24
180	Allosteric Modulators of HSP90 and HSP70: Dynamics Meets Function through Structure-Based Drug Design. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 60-87	8.3	59
179	Impact of Mutations on NPAC Structural Dynamics: Mechanistic Insights from MD Simulations. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 3927-3937	6.1	22
178	ADAMDEC1 Maintains a Growth Factor Signaling Loop in Cancer Stem Cells. <i>Cancer Discovery</i> , 2019 , 9, 1574-1589	24.4	28
177	The Importance of Detail: How Differences in Ligand Structures Determine Distinct Functional Responses in Integrin α 5 β 1. <i>Chemistry - A European Journal</i> , 2019 , 25, 5959-5970	4.8	6
176	The calcium-binding type III repeats domain of thrombospondin-2 binds to fibroblast growth factor 2 (FGF2). <i>Angiogenesis</i> , 2019 , 22, 133-144	10.6	24
175	The Structural Asymmetry of Mitochondrial Hsp90 (Trap1) Determines Fine Tuning of Functional Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 1033-1044	6.4	31
174	A Computational Assay of Estrogen Receptor α Antagonists Reveals the Key Common Structural Traits of Drugs Effectively Fighting Refractory Breast Cancers. <i>Scientific Reports</i> , 2018 , 8, 649	4.9	44
173	The Interplay between Structural Stability and Plasticity Determines Mutation Profiles and Chaperone Dependence in Protein Kinases. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 1059-1070	6.4	13
172	Chemo-enzymatic synthesis of (E)-2,3-diaryl-5-styryl-trans-2,3-dihydrobenzofuran-based scaffolds and their in vitro and in silico evaluation as a novel sub-family of potential allosteric modulators of the 90 kDa heat shock protein (Hsp90). <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 3741-3753	3.9	13
171	Enhancing Antibody Serodiagnosis Using a Controlled Peptide Coimmobilization Strategy. <i>ACS Infectious Diseases</i> , 2018 , 4, 998-1006	5.5	20
170	Are Amyloid Fibrils RNA-Traps? A Molecular Dynamics Perspective. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 53	5.6	3
169	BPSL1626: Reverse and Structural Vaccinology Reveal a Novel Candidate for Vaccine Design against. <i>Antibodies</i> , 2018 , 7,	7	5

168	Expedient Access to 2-Benzazepines by Palladium-Catalyzed C-H Activation: Identification of a Unique Hsp90 Inhibitor Scaffold. <i>Chemistry - A European Journal</i> , 2018 , 24, 16516-16520	4.8	8
167	Understanding Allostery to Design New Drugs. <i>Methods and Principles in Medicinal Chemistry</i> , 2018 , 281-300		
166	How the Ligand-Induced Reorganization of Protein Internal Energies Is Coupled to Conformational Events. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 5992-6001	6.4	7
165	A Local Allosteric Network in Heat Shock Protein 70 (Hsp70) Links Inhibitor Binding to Enzyme Activity and Distal Protein-Protein Interactions. <i>ACS Chemical Biology</i> , 2018 , 13, 3142-3152	4.9	10
164	Targeting Difficult Protein-Protein Interactions with Plain and General Computational Approaches. <i>Molecules</i> , 2018 , 23,	4.8	4
163	Understanding Complex Mechanisms of Enzyme Reactivity: The Case of Limonene-1,2-Epoxyde Hydrolases. <i>ACS Catalysis</i> , 2018 , 8, 5698-5707	13.1	17
162	Design of Allosteric Stimulators of the Hsp90 ATPase as New Anticancer Leads. <i>Chemistry - A European Journal</i> , 2017 , 23, 5188-5192	4.8	27
161	Protein design: from computer models to artificial intelligence. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2017 , 7, e1318	7.9	15
160	Unraveling Energy and Dynamics Determinants to Interpret Protein Functional Plasticity: The Limonene-1,2-epoxyde-hydrolase Case Study. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 717-725	6.1	2
159	SAGE: A Fast Computational Tool for Linear Epitope Grafting onto a Foreign Protein Scaffold. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 6-10	6.1	6
158	Crystal Structure of the DFNKF Segment of Human Calcitonin Unveils Aromatic Interactions between Phenylalanines. <i>Chemistry - A European Journal</i> , 2017 , 23, 1985-1985	4.8	1
157	Role of Terahertz (THz) Fluctuations in the Allosteric Properties of the PDZ Domains. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 10200-10208	3.4	3
156	Chaperones rescue the energetic landscape of mutant CFTR at single molecule and in cell. <i>Nature Communications</i> , 2017 , 8, 398	17.4	42
155	Structure and Computation in Immunoreagent Design: From Diagnostics to Vaccines. <i>Trends in Biotechnology</i> , 2017 , 35, 1208-1220	15.1	14
154	Designing Probes for Immunodiagnostics: Structural Insights into an Epitope Targeting Burkholderia Infections. <i>ACS Infectious Diseases</i> , 2017 , 3, 736-743	5.5	4
153	Structural Vaccinology for Melioidosis Vaccine Design and Immunodiagnostics. <i>Current Tropical Medicine Reports</i> , 2017 , 4, 103-110	5	1
152	A protease-resistant Escherichia coli asparaginase with outstanding stability and enhanced anti-leukaemic activity in vitro. <i>Scientific Reports</i> , 2017 , 7, 14479	4.9	22
151	Crystal Structure of the DFNKF Segment of Human Calcitonin Unveils Aromatic Interactions between Phenylalanines. <i>Chemistry - A European Journal</i> , 2017 , 23, 2051-2058	4.8	22

150	The Chaperone TRAP1 As a Modulator of the Mitochondrial Adaptations in Cancer Cells. <i>Frontiers in Oncology</i> , 2017 , 7, 58	5.3	77
149	High Affinity vs. Native Fibronectin in the Modulation of $\alpha 5 \beta 1$ Integrin Conformational Dynamics: Insights from Computational Analyses and Implications for Molecular Design. <i>PLoS Computational Biology</i> , 2017 , 13, e1005334	5	10
148	Novel PARP-1 Inhibitor Scaffolds Disclosed by a Dynamic Structure-Based Pharmacophore Approach. <i>PLoS ONE</i> , 2017 , 12, e0170846	3.7	10
147	Molecular Dynamics Simulations Reveal the Mechanisms of Allosteric Activation of Hsp90 by Designed Ligands. <i>Scientific Reports</i> , 2016 , 6, 23830	4.9	60
146	Allosteric Regulation Points Control the Conformational Dynamics of the Molecular Chaperone Hsp90. <i>Journal of Molecular Biology</i> , 2016 , 428, 4559-4571	6.5	45
145	An atomistic view of Hsp70 allosteric crosstalk: from the nucleotide to the substrate binding domain and back. <i>Scientific Reports</i> , 2016 , 6, 23474	4.9	24
144	Evolving serodiagnostics by rationally designed peptide arrays: the Burkholderia paradigm in Cystic Fibrosis. <i>Scientific Reports</i> , 2016 , 6, 32873	4.9	19
143	Integrating computational and chemical biology tools in the discovery of antiangiogenic small molecule ligands of FGF2 derived from endogenous inhibitors. <i>Scientific Reports</i> , 2016 , 6, 23432	4.9	18
142	Balancing Accuracy and Cost of Confinement Simulations by Interpolation and Extrapolation of Confinement Energies. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 2779-89	6.4	5
141	Assessment of Mutational Effects on Peptide Stability through Confinement Simulations. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 126-30	6.4	9
140	Flexible vs Rigid Epitope Conformations for Diagnostic- and Vaccine-Oriented Applications: Novel Insights from the Burkholderia pseudomallei BPSL2765 Pal3 Epitope. <i>ACS Infectious Diseases</i> , 2016 , 2, 221-30	5.5	19
139	Enzymatic and Inhibition Mechanism of Human Aromatase (CYP19A1) Enzyme. A Computational Perspective from QM/MM and Classical Molecular Dynamics Simulations. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016 , 16, 1112-24	3.2	16
138	DNA Polymerase Conformational Dynamics and the Role of Fidelity-Confering Residues: Insights from Computational Simulations. <i>Frontiers in Molecular Biosciences</i> , 2016 , 3, 20	5.6	8
137	Synthesis of Functionalized 2-(4-Hydroxyphenyl)-3-methylbenzofuran Allosteric Modulators of Hsp90 Activity. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 3349-3364	3.2	15
136	Surface energetics and protein-protein interactions: analysis and mechanistic implications. <i>Scientific Reports</i> , 2016 , 6, 24035	4.9	10
135	Structure-based approach for identification of novel phenylboronic acids as serine- β -lactamase inhibitors. <i>Journal of Computer-Aided Molecular Design</i> , 2016 , 30, 851-861	4.2	8
134	Screening Complex Biological Samples with Peptide Microarrays: The Favorable Impact of Probe Orientation via Chemoselective Immobilization Strategies on Clickable Polymeric Coatings. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2669-2677	6.3	31
133	Structural Stability and Flexibility Direct the Selection of Activating Mutations in Epidermal Growth Factor Receptor Kinase. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 1377-87	6.1	20

132	From crystal structure to in silico epitope discovery in the Burkholderia pseudomallei flagellar hook-associated protein FlgK. <i>FEBS Journal</i> , 2015 , 282, 1319-33	5.7	30
131	Long-Pentraxin 3 Derivative as a Small-Molecule FGF Trap for Cancer Therapy. <i>Cancer Cell</i> , 2015 , 28, 225-233	4.9	80
130	Structure-based design of a B cell antigen from B. pseudomallei. <i>ACS Chemical Biology</i> , 2015 , 10, 803-12	4.9	11
129	Design, synthesis and biological evaluation of biphenylamide derivatives as Hsp90 C-terminal inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015 , 89, 442-66	6.8	37
128	Activation of Hsp90 Enzymatic Activity and Conformational Dynamics through Rationally Designed Allosteric Ligands. <i>Chemistry - A European Journal</i> , 2015 , 21, 13598-608	4.8	54
127	Long range Trp-Trp interaction initiates the folding pathway of a pro-angiogenic hairpin peptide. <i>Scientific Reports</i> , 2015 , 5, 16651	4.9	6
126	Sequence- and Structure-Based Immunoreactive Epitope Discovery for Burkholderia pseudomallei Flagellin. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003917	4.8	27
125	Covalent docking of selected boron-based serine beta-lactamase inhibitors. <i>Journal of Computer-Aided Molecular Design</i> , 2015 , 29, 441-50	4.2	18
124	The Dynamics of Drug Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 2043-2055	3	20
123	Prediction of Antigenic B and T Cell Epitopes via Energy Decomposition Analysis: Description of the Web-Based Prediction Tool BEPPE. <i>Methods in Molecular Biology</i> , 2015 , 1348, 13-22	1.4	5
122	The Dynamics of Drug Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 2043-55	3	7
121	Mechanisms of Differential Allosteric Modulation in Homologous Proteins: Insights from the Analysis of Internal Dynamics and Energetics of PDZ Domains. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 5677-89	6.4	31
120	Inactivation of TEM-1 by avibactam (NXL-104): insights from quantum mechanics/molecular mechanics metadynamics simulations. <i>Biochemistry</i> , 2014 , 53, 5174-85	3.2	26
119	Computational approaches elucidate the allosteric mechanism of human aromatase inhibition: a novel possible route to Small-molecule regulation of CYP450s activities?. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 2856-68	6.1	33
118	Identification of a new scaffold for hsp90 C-terminal inhibition. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 84-8	4.3	28
117	Exploiting conformational dynamics in drug discovery: design of C-terminal inhibitors of Hsp90 with improved activities. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 195-208	6.1	46
116	Investigating the dynamic aspects of drug-protein recognition through a combination of MD and NMR analyses: implications for the development of protein-protein interaction inhibitors. <i>PLoS ONE</i> , 2014 , 9, e97153	3.7	10
115	The five-to-six-coordination transition of ferric human serum heme-albumin is allosterically-modulated by ibuprofen and warfarin: a combined XAS and MD study. <i>PLoS ONE</i> , 2014 , 9, e104231	3.7	24

114	Dimerization capacities of FGF2 purified with or without heparin-affinity chromatography. <i>PLoS ONE</i> , 2014 , 9, e110055	3.7	8
113	Investigating allostery in molecular recognition: insights from a computational study of multiple antibody-antigen complexes. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 535-52	3.4	15
112	Exploiting the Burkholderia pseudomallei acute phase antigen BPSL2765 for structure-based epitope discovery/design in structural vaccinology. <i>Chemistry and Biology</i> , 2013 , 20, 1147-56		41
111	Energetic and dynamic aspects of the affinity maturation process: characterizing improved variants from the bevacizumab antibody with molecular simulations. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 2937-50	6.1	17
110	Rational epitope design for protein targeting. <i>ACS Chemical Biology</i> , 2013 , 8, 397-404	4.9	30
109	A structure-based strategy for epitope discovery in Burkholderia pseudomallei OppA antigen. <i>Structure</i> , 2013 , 21, 167-175	5.2	37
108	Inhibiting Peptide and Protein Self-Aggregation: What Can Simulations Tell Us?. <i>Molecular Medicine and Medicinal</i> , 2013 , 401-437		
107	Peptides for immunological purposes: design, strategies and applications. <i>Amino Acids</i> , 2013 , 45, 257-68	3.5	41
106	A Hamiltonian replica exchange molecular dynamics (MD) method for the study of folding, based on the analysis of the stabilization determinants of proteins. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 12157-69	6.3	17
105	3D-QSAR Assisted Design, Synthesis and Evaluation of Novobiocin Analogues. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 4, 57-62	4.3	21
104	Ligand selection from the analysis of protein conformational substates: new leads targeting the N-terminal domain of Hsp90. <i>RSC Advances</i> , 2012 , 2, 4268	3.7	7
103	Identification of domains in protein structures from the analysis of intramolecular interactions. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 3331-43	3.4	34
102	Corresponding functional dynamics across the Hsp90 Chaperone family: insights from a multiscale analysis of MD simulations. <i>PLoS Computational Biology</i> , 2012 , 8, e1002433	5	82
101	Molecular mechanism of allosteric communication in Hsp70 revealed by molecular dynamics simulations. <i>PLoS Computational Biology</i> , 2012 , 8, e1002844	5	43
100	Pharmacological enhancement of α -glucosidase by the allosteric chaperone N-acetylcysteine. <i>Molecular Therapy</i> , 2012 , 20, 2201-11	11.7	72
99	Molecular dynamics simulations of hsp90 with an eye to inhibitor design. <i>Pharmaceuticals</i> , 2012 , 5, 944-62	3.2	1
98	Direct and allosteric inhibition of the FGF2/HSPGs/FGFR1 ternary complex formation by an antiangiogenic, thrombospondin-1-mimic small molecule. <i>PLoS ONE</i> , 2012 , 7, e36990	3.7	33
97	Dynamic diagnosis of familial prion diseases supports the α - β loop as a universal interference target. <i>PLoS ONE</i> , 2011 , 6, e19093	3.7	51

96	HMGB1-carbenoxolone interactions: dynamics insights from combined nuclear magnetic resonance and molecular dynamics. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1171-80	4.5	6
95	A multiscale approach to characterize the early aggregation steps of the amyloid-forming peptide GNNQQNY from the yeast prion sup-35. <i>PLoS Computational Biology</i> , 2011 , 7, e1002051	5	68
94	Combined in silico and experimental approach for drug design: the binding mode of peptidic and non-peptidic inhibitors to hsp90 N-terminal domain. <i>Chemical Biology and Drug Design</i> , 2010 , 76, 382-91	2.9	10
93	Non-peptidic thrombospondin-1 mimics as fibroblast growth factor-2 inhibitors: an integrated strategy for the development of new antiangiogenic compounds. <i>Journal of Biological Chemistry</i> , 2010 , 285, 8733-42	5.4	61
92	Exploiting antigenic diversity for vaccine design: the chlamydia ArtJ paradigm. <i>Journal of Biological Chemistry</i> , 2010 , 285, 30126-38	5.4	39
91	Molecular recognition and drug-lead identification: what can molecular simulations tell us?. <i>Current Medicinal Chemistry</i> , 2010 , 17, 25-41	4.3	31
90	Computational study of the resistance shown by the subtype B/HIV-1 protease to currently known inhibitors. <i>Biochemistry</i> , 2010 , 49, 4283-95	3.2	18
89	Predicting interaction sites from the energetics of isolated proteins: a new approach to epitope mapping. <i>Biophysical Journal</i> , 2010 , 98, 1966-75	2.9	62
88	Dynamics-Based Discovery of Allosteric Inhibitors: Selection of New Ligands for the C-terminal Domain of Hsp90. <i>Journal of Chemical Theory and Computation</i> , 2010 , 6, 2978-89	6.4	70
87	Protein Dynamics and Drug Design: The Role of Molecular Simulations 2010 , 340-385		
86	Swe1Wee1-dependent tyrosine phosphorylation of Hsp90 regulates distinct facets of chaperone function. <i>Molecular Cell</i> , 2010 , 37, 333-43	17.6	143
85	The structural intolerance of the PrP alpha-fold for polar substitution of the helix-3 methionines. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 2825-38	10.3	14
84	Structural analysis of a helical peptide unfolding pathway. <i>Chemistry - A European Journal</i> , 2010 , 16, 5400-8	4.8	23
83	Selecting sequences that fold into a defined 3D structure: A new approach for protein design based on molecular dynamics and energetics. <i>Biophysical Chemistry</i> , 2010 , 146, 76-84	3.5	14
82	Investigating dynamic and energetic determinants of protein nucleic acid recognition: analysis of the zinc finger zif268-DNA complexes. <i>BMC Structural Biology</i> , 2010 , 10, 42	2.7	13
81	Targeting tumor angiogenesis with TSP-1-based compounds: rational design of antiangiogenic mimetics of endogenous inhibitors. <i>Oncotarget</i> , 2010 , 1, 662-673	3.3	53
80	Targeting tumor angiogenesis with TSP-1-based compounds: rational design of antiangiogenic mimetics of endogenous inhibitors. <i>Oncotarget</i> , 2010 , 1, 662-73	3.3	33
79	Structure and sequence determinants of aggregation investigated with molecular dynamics. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 523-39	2.8	5

78	Why is a protective antigen protective?. <i>Hum Vaccin</i> , 2009 , 5, 872-5		4
77	Structural and computational biology of the molecular chaperone Hsp90: from understanding molecular mechanisms to computer-based inhibitor design. <i>Current Topics in Medicinal Chemistry</i> , 2009 , 9, 1369-85	3	22
76	Modeling signal propagation mechanisms and ligand-based conformational dynamics of the Hsp90 molecular chaperone full-length dimer. <i>PLoS Computational Biology</i> , 2009 , 5, e1000323	5	125
75	2?-O-Alkyl Derivatives and 5?-Analogues of 5-Aminoimidazole-4-carboxamide-1- β -D-ribofuranoside (AICAR) as Potential Hsp90 Inhibitors. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 5913-5919	3.2	11
74	An efficient steroid pharmacophore-based strategy to identify new aromatase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 4121-7	6.8	36
73	Fast three dimensional pharmacophore virtual screening of new potent non-steroid aromatase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 143-50	8.3	49
72	Combinatorial drug design targeting multiple cancer signaling networks controlled by mitochondrial Hsp90. <i>Journal of Clinical Investigation</i> , 2009 , 119, 454-64	15.9	168
71	Methionine sulfoxides on prion protein Helix-3 switch on the alpha-fold destabilization required for conversion. <i>PLoS ONE</i> , 2009 , 4, e4296	3.7	49
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1	ADAMDEC1 maintains a novel growth factor signaling loop in cancer stem cells		3