Giovanni Chillemi

List of Publications by Year
in descending order

149	4,081	101543	168389
papers	citations	36 h-index	53 g-index

158	158	158	5814
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revised Ionic Radii of Lanthanoid(III) Ions in Aqueous Solution. Inorganic Chemistry, 2011, 50, 4572-4579.	4.0	212
2	Hydrogen and Higher Shell Contributions in Zn2+, Ni2+, and Co2+Aqueous Solutions:Â An X-ray Absorption Fine Structure and Molecular Dynamics Study. Journal of the American Chemical Society, 2002, 124, 1958-1967.	13.7	175
3	Molecular dynamics simulations with constrained roto-translational motions: Theoretical basis and statistical mechanical consistency. Journal of Chemical Physics, 2000, 112, 9-23.	3.0	103
4	Type I DNA Topoisomerases. Journal of Medicinal Chemistry, 2017, 60, 2169-2192.	6.4	98
5	Development and Validation of an Integrated Computational Approach for the Study of Ionic Species in Solution by Means of Effective Two-Body Potentials. The Case of Zn2 +, Ni2 +, and Co2 +in Aqueous Solutions. Journal of the American Chemical Society, 2002, 124, 1968-1976.	13.7	92
6	Massively parallel pyrosequencing highlights minority variants in the HIV-1 env quasispecies deriving from lymphomonocyte sub-populations. Retrovirology, 2009, 6, 15.	2.0	89
7	REDIportal: millions of novel A-to-I RNA editing events from thousands of RNAseq experiments. Nucleic Acids Research, 2021, 49, D1012-D1019.	14.5	86
8	Single Mutation in the Linker Domain Confers Protein Flexibility and Camptothecin Resistance to Human Topoisomerase I. Journal of Biological Chemistry, 2003, 278, 43268-43275.	3.4	81
9	Evidence for Sevenfold Coordination in the First Solvation Shell of Hg(II) Aqua Ion. Journal of the American Chemical Society, 2007, 129, 5430-5436.	13.7	78
10	RNA-Sequencing for profiling goat milk transcriptome in colostrum and mature milk. BMC Veterinary Research, 2016, 12, 264.	1.9	71
11	Biallelic Mutations in TBCD , Encoding the Tubulin Folding Cofactor D, Perturb Microtubule Dynamics and Cause Early-Onset Encephalopathy. American Journal of Human Genetics, 2016, 99, 962-973.	6.2	66
12	Detection of Second Hydration Shells in Ionic Solutions by XANES:Â Computed Spectra for Ni2+in Water Based on Molecular Dynamics. Journal of the American Chemical Society, 2006, 128, 1853-1858.	13.7	59
13	HECT-Type E3ÂUbiquitin Ligases in Cancer. Trends in Biochemical Sciences, 2019, 44, 1057-1075.	7.5	59
14	Antisense transcripts enhanced by camptothecin at divergent CpG-island promoters associated with bursts of topoisomerase I-DNA cleavage complex and R-loop formation. Nucleic Acids Research, 2013, 41, 10110-10123.	14.5	57
15	Genome assembly and transcriptome resource for river buffalo, Bubalus bubalis (2n = 50). GigaScience, 2017, 6, 1-6.	6.4	55
16	Experimental Evidence for a Variable First Coordination Shell of the Cadmium(II) Ion in Aqueous, Dimethyl Sulfoxide, andN,Nâ€˜-Dimethylpropyleneurea Solution. Journal of Physical Chemistry B, 2005, 109, 9178-9185.	2.6	53
17	Structural Investigation of Lanthanoid Coordination: a Combined XANES and Molecular Dynamics Study. Inorganic Chemistry, 2009, 48, 10239-10248.	4.0	51
18	A Coupled Molecular Dynamics and XANES Data Analysis Investigation of Aqueous Cadmium(II). Journal of Physical Chemistry A, 2008, 112, 11833-11841.	2.5	50

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19	Integrated experimental and theoretical approach for the structural characterization of Hg2+ aqueous solutions. Journal of Chemical Physics, 2008, 128, 084502.	3.0	50
20	Computational Evidence for a Variable First Shell Coordination of the Cadmium(II) Ion in Aqueous Solution. Journal of Physical Chemistry B, 2005, 109, 9186-9193.	2.6	49
21	Thr729 in human topoisomerase I modulates anti-cancer drug resistance by altering protein domain communications as suggested by molecular dynamics simulations. Nucleic Acids Research, 2008, 36, 5645-5651.	14.5	49
22	Identification of a Short Region on Chromosome 6 Affecting Direct Calving Ease in Piedmontese Cattle Breed. PLoS ONE, 2012, 7, e50137.	2.5	49
23	The essential dynamics of Cu, Zn superoxide dismutase: suggestion of intersubunit communication. Biophysical Journal, 1997, 73, 1007-1018.	0.5	48
24	Structural and Dynamical Properties of the Hg²⁺ Aqua Ion:â€‰ A Molecular Dynamics Study. Journal of Physical Chemistry B, 2008, 112, 4694-4702.	2.6	48
25	Massive screening of copy number population-scale variation in Bos taurus genome. BMC Genomics, 2013, 14, 124.	2.8	48
26	Effect on DNA relaxation of the single Thr718Ala mutation in human topoisomerase I: a functional and molecular dynamics study. Nucleic Acids Research, 2005, 33, 3339-3350.	14.5	47
27	A Coupled Car-Parrinello Molecular Dynamics and EXAFS Data Analysis Investigation of Aqueous Co2+. Journal of Physical Chemistry A, 2006, 110, 13081-13088.	2.5	46
28	Protein concerted motions in the DNA-human topoisomerase I complex. Nucleic Acids Research, 2003, 31, 1525-1535.	14.5	44
29	New Hints on the pH-Driven Tautomeric Equilibria of the Topotecan Anticancer Drug in Aqueous Solutions from an Integrated Spectroscopic and Quantum-Mechanical Approach. Journal of the American Chemical Society, 2005, 127, 15429-15436.	13.7	43
30	UVâ”Vis Spectra of the Anticancer Campothecin Family Drugs in Aqueous Solution: Specific Spectroscopic Signatures Unraveled by a Combined Computational and Experimental Study. Journal of Physical Chemistry B, 2009, 113, 5369-5375.	2.6	42
31	Effects of dutasteride on the expression of genes related to androgen metabolism and related pathway in human prostate cancer cell lines. Investigational New Drugs, 2007, 25, 491-497.	2.6	41
32	On the Solvation of the Zn²⁺ Ion in Methanol: A Combined Quantum Mechanics, Molecular Dynamics, and EXAFS Approach. Inorganic Chemistry, 2011, 50, 8509-8515.	4.0	41
33	Structural Evolution and Dynamics of the p53 Proteins. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a028308.	6.2	41
34	Valproic Acid Induces Neuroendocrine Differentiation and UGT2B7 Up-Regulation in Human Prostate Carcinoma Cell Line. Drug Metabolism and Disposition, 2007, 35, 968-972.	3.3	40
35	Erybraedin C, a natural compound from the plant Bituminaria bituminosa, inhibits both the cleavage and religation activities of human topoisomerase I. Biochemical Journal, 2010, 425, 531-539.	3.7	40
36	Influence of the Second Coordination Shell on the XANES Spectra of the Zn²⁺ Ion in Water and Methanol. ChemPlusChem, 2012, 77, 234-239.	2.8	40

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37	The p53 tetramer shows an induced-fit interaction of the C-terminal domain with the DNA-binding domain. Oncogene, 2016, 35, 3272-3281.	5.9	40
38	Theoretical modeling of the valence UV spectra of 1,2,3-triazine and uracil in solution. Physical Chemistry Chemical Physics, 2006, 8, 1385.	2.8	39
39	Solvation structure of the halides from x-ray absorption spectroscopy. Journal of Chemical Physics, 2016, 145, 044318.	3.0	38
40	Transcriptomic investigation of meat tenderness in two Italian cattle breeds. Animal Genetics, 2016, 47, 273-287.	1.7	37
41	Global Transcription Regulation by DNA Topoisomerase I in Exponentially Growing Saccharomyces cerevisiae Cells: Activation of Telomere-Proximal Genes by TOP1 Deletion. Journal of Molecular Biology, 2008, 377, 311-322.	4.2	34
42	Effect of the Zn²⁺ and Hg²⁺ Ions on the Structure of Liquid Water. Journal of Physical Chemistry A, 2011, 115, 4798-4803.	2.5	34
43	A gene expression atlas for different kinds of stress in the mouse brain. Scientific Data, 2020, 7, 437.	5.3	34
44	Structural and Dynamical Effects Induced by the Anticancer Drug Topotecan on the Human Topoisomerase I â€“ DNA Complex. PLoS ONE, 2010, 5, e10934.	2.5	32
45	Analysis of coâ€receptor usage of circulating viral and proviral HIV genome quasispecies by ultraâ€deep pyrosequencing in patients who are candidates for CCR5 antagonist treatment. Clinical Microbiology and Infection, 2011, 17, 725-731.	6.0	32
46	Effects of the Pathological Q212P Mutation on Human Prion Protein Non-Octarepeat Copper-Binding Site. Biochemistry, 2012, 51, 6068-6079.	2.5	32
47	Wholeâ€exome sequencing and targeted gene sequencing provide insights into the role of PALB2 as a male breast cancer susceptibility gene. Cancer, 2017, 123, 210-218.	4.1	31
48	Structural-Dynamical Properties of theDeinococcus RadioduransTopoisomerase IB in Absence of DNA: Correlation with the Human Enzyme. Journal of Biomolecular Structure and Dynamics, 2009, 27, 307-317.	3.5	30
49	Microarrays and high-throughput transcriptomic analysis in species with incomplete availability of genomic sequences. New Biotechnology, 2009, 25, 272-279.	4.4	30
50	Structural dynamics of the mitochondrial ADP/ATP carrier revealed by molecular dynamics simulation studies. Proteins: Structure, Function and Bioinformatics, 2006, 65, 681-691.	2.6	29
51	Evidence of the crucial role of the linker domain on the catalytic activity of human topoisomerase I by experimental and simulative characterization of the Lys681Ala mutant. Nucleic Acids Research, 2009, 37, 6849-6858.	14.5	29
52	Simulations of DNA topoisomerase 1B bound to supercoiled DNA reveal changes in the flexibility pattern of the enzyme and a secondary proteinâ€“DNA binding site. Nucleic Acids Research, 2014, 42, 9304-9312.	14.5	29
53	CoVaCS: a consensus variant calling system. BMC Genomics, 2018, 19, 120.	2.8	29
54	HPC-REDItools: a novel HPC-aware tool for improved large scale RNA-editing analysis. BMC Bioinformatics, 2020, 21, 353.	2.6	28

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55	Molecular Dynamics Simulation of the RNA Complex of a Double-Stranded RNA-Binding Domain Reveals Dynamic Features of the Intermolecular Interface and Its Hydration. Biophysical Journal, 2002, 83, 3542-3552.	0.5	27
56	Molecular dynamics of the full-length p53 monomer. Cell Cycle, 2013, 12, 3098-3108.	2.6	27
57	Transcriptomic Characterization of Cow, Donkey and Goat Milk Extracellular Vesicles Reveals Their Anti-Inflammatory and Immunomodulatory Potential. International Journal of Molecular Sciences, 2021, 22, 12759.	4.1	27
58	Structure and Hydration of the DNA-Human Topoisomerase I Covalent Complex. Biophysical Journal, 2001, 81, 490-500.	0.5	26
59	Signatures of selection in five Italian cattle breeds detected by a 54K SNP panel. Molecular Biology Reports, 2014, 41, 957-965.	2.3	26
60	Role of the Linker Domain and the 203â€“214 N-Terminal Residues in the Human Topoisomerase I DNA Complex Dynamics. Biophysical Journal, 2004, 87, 4087-4097.	0.5	25
61	Deciphering the Structural Properties That Confer Stability to a DNA Nanocage. ACS Nano, 2009, 3, 1813-1822.	14.6	25
62	Novel and known genetic variants for male breast cancer risk at 8q24.21, 9p21.3, 11q13.3 and 14q24.1: Results from a multicenter study in Italy. European Journal of Cancer, 2015, 51, 2289-2295.	2.8	25
63	Microcephaly, intractable seizures and developmental delay caused by biallelic variants in <scp>TBCD</scp>: further delineation of a new chaperoneâ€mediated tubulinopathy. Clinical Genetics, 2017, 91, 725-738.	2.0	25
64	ELIXIR-IT HPC@CINECA: high performance computing resources for the bioinformatics community. BMC Bioinformatics, 2020, 21, 352.	2.6	25
65	Muscle transcriptome analysis identifies genes involved in ciliogenesis and the molecular cascade associated with intramuscular fat content in Large White heavy pigs. PLoS ONE, 2020, 15, e0233372.	2.5	25
66	A single mutation in the 729 residue modulates human DNA topoisomerase IB DNA binding and drug resistance. Nucleic Acids Research, 2008, 36, 5635-5644.	14.5	24
67	MD and Docking Studies Reveal That the Functional Switch of CYFIP1 is Mediated by a Butterfly-like Motion. Journal of Chemical Theory and Computation, 2015, 11, 3401-3410.	5.3	24
68	Expanding the molecular diversity and phenotypic spectrum of glycerol 3â€phosphate dehydrogenase 1 deficiency. Journal of Inherited Metabolic Disease, 2016, 39, 689-695.	3.6	24
69	Structure and Hydration of BamHI DNA Recognition Site: A Molecular Dynamics Investigation. Biophysical Journal, 2000, 79, 1263-1272.	0.5	23
70	X-ray Absorption Study of the Solvation Structure of Cu²⁺ in Methanol and Dimethyl Sulfoxide. Inorganic Chemistry, 2012, 51, 8827-8833.	4.0	23
71	Molecular dynamics recipes for genome research. Briefings in Bioinformatics, 2018, 19, 853-862.	6.5	23
72	SPRED2 loss-of-function causes a recessive Noonan syndrome-like phenotype. American Journal of Human Genetics, 2021, 108, 2112-2129.	6.2	23

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73	The different cleavage DNA sequence specificity explains the camptothecin resistance of the human topoisomerase I Glu418Lys mutant. Nucleic Acids Research, 2006, 34, 5093-5100.	14.5	21
74	The open state of human topoisomerase I as probed by molecular dynamics simulation. Nucleic Acids Research, 2007, 35, 3032-3038.	14.5	21
75	Multiple Recombination Events and Strong Purifying Selection at the Origin of SARS-CoV-2 Spike Glycoprotein Increased Correlated Dynamic Movements. International Journal of Molecular Sciences, 2021, 22, 80.	4.1	21
76	Hif1Î± down-regulation is associated with transposition of great arteries in mice treated with a retinoic acid antagonist. BMC Genomics, 2010, 11, 497.	2.8	20
77	Importance of V3 Loop Flexibility and Net Charge in the Context of Co-Receptor Recognition. A Molecular Dynamics Study on HIV gp120. Journal of Biomolecular Structure and Dynamics, 2012, 29, 879-891.	3.5	19
78	Anti-Inflammatory Potential of Cow, Donkey and Goat Milk Extracellular Vesicles as Revealed by Metabolomic Profile. Nutrients, 2020, 12, 2908.	4.1	19
79	Cow Milk Extracellular Vesicle Effects on an In Vitro Model of Intestinal Inflammation. Biomedicines, 2022, 10, 570.	3.2	19
80	Dynamic Investigation of Protein Metal Active Sites: Interplay of XANES and Molecular Dynamics Simulations. Journal of the American Chemical Society, 2010, 132, 14901-14909.	13.7	18
81	Clinical and functional characterization of a novel RASopathyâ€causingSHOC2mutation associated with prenatalâ€onset hypertrophic cardiomyopathy. Human Mutation, 2019, 40, 1046-1056.	2.5	18
82	The Quest for Genes Involved in Adaptation to Climate Change in Ruminant Livestock. Animals, 2021, 11, 2833.	2.3	18
83	Archived HIV-1 minority variants detected by ultra-deep pyrosequencing in provirus may be fully replication competent. Aids, 2009, 23, 2541-2543.	2.2	17
84	Equilibrium between 5- and 6-Fold Coordination in the First Hydration Shell of Cu(II). Journal of Physical Chemistry A, 2016, 120, 3958-3965.	2.5	17
85	SHOC2 subcellular shuttling requires the KEKE motif-rich region andN-terminal leucine-rich repeat domain and impacts on ERK signalling. Human Molecular Genetics, 2016, 25, 3824-3835.	2.9	17
86	Derivation of a general fluid equation of state based on the quasi-Gaussian entropy theory: application to the Lennard-Jones fluid. Molecular Physics, 1999, 96, 1469-1490.	1.7	16
87	Quantitative analysis of XANES spectra of disordered systems based on molecular dynamics. Journal of Synchrotron Radiation, 2005, 12, 75-79.	2.4	16
88	Skeletal muscle transcriptional profiles in two Italian beef breeds, Chianina and Maremmana, reveal breed specific variation. Molecular Biology Reports, 2016, 43, 253-268.	2.3	16
89	Simulative Analysis of a Truncated Octahedral DNA Nanocage Family Indicates the Single-Stranded Thymidine Linkers as the Major Player for the Conformational Variability. Journal of Physical Chemistry C, 2011, 115, 16819-16827.	3.1	14
90	Binding of an Indenoisoquinoline to the Topoisomerase-DNA Complex Induces Reduction of Linker Mobility and Strengthening of Protein-DNA Interaction. PLoS ONE, 2012, 7, e51354.	2.5	14

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91	Structural dynamics of V3 loop with different electrostatics: implications on co-receptor recognition: a molecular dynamics study of HIV gp120. Journal of Biomolecular Structure and Dynamics, 2013, 31, 403-413.	3.5	14
92	Solvent Effects on the Valence UVâ^'Vis Absorption Spectra of Topotecan Anticancer Drug in Aqueous Solution at Room Temperature: A Nanoseconds Time-Scale TD-DFT/MD Computational Study. Journal of Physical Chemistry B, 2010, 114, 6770-6778.	2.6	13
93	Epilepsy and BRAF Mutations: Phenotypes, Natural History and Genotype-Phenotype Correlations. Genes, 2021, 12, 1316.	2.4	13
94	Dynamic changes in gene expression profiles of 22q11 and related orthologous genes during mouse development. Gene, 2007, 391, 91-102.	2.2	12
95	Role of Flexibility in Protein-DNA-Drug Recognition: The Case of Asp677Gly-Val703Ile Topoisomerase Mutant Hypersensitive to Camptothecin. Journal of Amino Acids, 2012, 2012, 1-8.	5.8	12
96	Modeling conformational transitions in kinases by molecular dynamics simulations: achievements, difficulties, and open challenges. Frontiers in Genetics, 2014, 5, 128.	2.3	12
97	Smyd3 open & closed lock mechanism for substrate recruitment: The hinge motion of C-terminal domain inferred from Î¼-second molecular dynamics simulations. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1466-1474.	2.4	12
98	PeachVar-DB: A Curated Collection of Genetic Variations for the Interactive Analysis of Peach Genome Data. Plant and Cell Physiology, 2018, 59, e2-e2.	3.1	12
99	An amber compatible molecular mechanics force field for the anticancer drug topotecan. Theoretical Chemistry Accounts, 2010, 127, 293-302.	1.4	11
100	Genome-Wide DNA Methylation and Gene Expression Profiles in Cows Subjected to Different Stress Level as Assessed by Cortisol in Milk. Genes, 2020, 11, 850.	2.4	11
101	Assembly and characterization of pandemic influenza A H1N1 genome in nasopharyngeal swabs using high-throughput pyrosequencing. New Microbiologica, 2011, 34, 391-7.	0.1	11
102	ADP/ATP mitochondrial carrier MD simulations to shed light on the structuralâ€"dynamical events that, after an additional mutation, restore the function in a pathological single mutant. Journal of Structural Biology, 2010, 172, 225-232.	2.8	10
103	Association between single nucleotide polymorphisms (SNPs) and milk production traits in Italian Brown cattle. Livestock Science, 2013, 157, 93-99.	1.6	10
104	The SNPs in the human genetic blueprint era. New Biotechnology, 2013, 30, 475-484.	4.4	10
105	Molecular Characterization of the First Ebola Virus Isolated in Italy, from a Health Care Worker Repatriated from Sierra Leone. Genome Announcements, 2015, 3, .	0.8	10
106	Conformational Dynamics of Lysine Methyltransferase Smyd2. Insights into the Different Substrate Crevice Characteristics of Smyd2 and Smyd3. Journal of Chemical Information and Modeling, 2016, 56, 2467-2475.	5.4	10
107	Role of the keratin 1 and keratin 10 tails in the pathogenesis of ichthyosis hystrix of Curth Macklin. PLoS ONE, 2018, 13, e0195792.	2.5	10
108	Smyd2 conformational changes in response to p53 binding: role of the Câ€terminal domain. Molecular Oncology, 2019, 13, 1450-1461.	4.6	10

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109	Ion hydration in high-density water. Journal of Physics: Conference Series, 2009, 190, 012057.	0.4	9
110	Altered Local Interactions and Long-Range Communications in UK Variant (B.1.1.7) Spike Glycoprotein. International Journal of Molecular Sciences, 2021, 22, 5464.	4.1	9
111	On the Use of the Quasi-Gaussian Entropy Theory in Systems of Polyatomic Flexible Molecules. Journal of Physical Chemistry B, 2001, 105, 1834-1844.	2.6	8
112	Gene expression profile study in CFTR mutated bronchial cell lines. Clinical and Experimental Medicine, 2006, 6, 157-165.	3.6	8
113	A specific transcriptional response of yeast cells to camptothecin dependent on the Swi4 and Mbp1 factors. European Journal of Pharmacology, 2009, 603, 29-36.	3.5	8
114	Microarray gene expression profiling of neural tissues in bovine spastic paresis. BMC Veterinary Research, 2013, 9, 122.	1.9	8
115	Dissecting the Gene Expression Networks Associated with Variations in the Major Components of the Fatty Acid Semimembranosus Muscle Profile in Large White Heavy Pigs. Animals, 2021, 11, 628.	2.3	8
116	Assignment of UVâ^'vis Spectrum of (3,3â€²)-Diindolylmethane, a Leishmania donovani Topoisomerase IB Inhibitor and a Candidate DNA Minor Groove Binder. Journal of Physical Chemistry A, 2010, 114, 7121-7126.	2.5	7
117	Gallop Racing Shifts Mature mRNA towards Introns: Does Exercise-Induced Stress Enhance Genome Plasticity?. Genes, 2020, 11, 410.	2.4	7
118	A Tool for Sheep Product Quality: Custom Microarrays from Public Databases. Nutrients, 2009, 1, 235-250.	4.1	6
119	Structural and Dynamic Characterization of the C313Y Mutation in Myostatin Dimeric Protein, Responsible for the â€œDouble Muscleâ€•Phenotype in Piedmontese Cattle. Frontiers in Genetics, 2016, 7, 14.	2.3	6
120	Massive NGS data analysis reveals hundreds of potential novel gene fusions in human cell lines. GigaScience, 2018, 7, .	6.4	6
121	Evidence of distinct gene functional patterns in GCâ€poor and GCâ€rich isochores in Bos taurus. Animal Genetics, 2020, 51, 358-368.	1.7	6
122	Not just a Snapshot: An Italian Longitudinal Evaluation of Stability of Gut Microbiota Findings in Parkinsonâ€™s Disease. Brain Sciences, 2022, 12, 739.	2.3	6
123	The role of computer technology in applied computational chemical-physics. Computer Physics Communications, 2001, 139, 1-19.	7.5	5
124	Dynamic multiple-scattering treatment of X-ray absorption: Parameterization of a new molecular dynamics force field for myoglobin. Structural Dynamics, 2018, 5, 054101.	2.3	5
125	DROPA: DRIP-seq optimized peak annotator. BMC Bioinformatics, 2019, 20, 414.	2.6	5
126	Structural and dynamic analysis of G558R mutation in chicken TSHR gene shows altered signal transduction and corroborates its role as a domestication gene. Animal Genetics, 2020, 51, 51-57.	1.7	5

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127	Development of a parallel molecular dynamics code on SIMD computers: Algorithm for use of pair list criterion. Journal of Computational Chemistry, 1998, 19, 685-694.	3.3	4
128	Carbon monoxide binding to the heme group at the dimeric interface modulates structure and copper accessibility in the Cu,Zn superoxide dismutase fromHaemophilus ducreyi: in silico andin vitroevidences. Journal of Biomolecular Structure and Dynamics, 2012, 30, 269-279.	3.5	4
129	Solvent Dependency of the UV-Vis Spectrum of Indenoisoquinolines: Role of Keto-Oxygens as Polarity Interaction Probes. PLoS ONE, 2013, 8, e73881.	2.5	4
130	Structural dynamics of V3 loop in a trimeric ambiance, a molecular dynamics study on gp120â€“CD4 trimeric mimic. Journal of Structural Biology, 2014, 186, 132-140.	2.8	4
131	A molecular dynamics simulation study decodes the early stage of the disassembly process abolishing the human SAMHD1 function. Journal of Computer-Aided Molecular Design, 2017, 31, 497-505.	2.9	4
132	New Insights into the Effect of Residue Mutations on the Rotavirus VP1 Function Using Molecular Dynamic Simulations. Journal of Chemical Information and Modeling, 2020, 60, 5011-5025.	5.4	4
133	MXAN: A new program for ab-initio structural quantitative analysis of XANES experiments. Computer Physics Communications, 2021, 265, 107992.	7.5	4
134	Molecular Signature of the Ebola Virus Associated with the Fishermen Community Outbreak in Aberdeen, Sierra Leone, in February 2015. Genome Announcements, 2015, 3, .	0.8	3
135	Broadening the phenotypic spectrum of Beta3GalT6 â€associated phenotypes. American Journal of Medical Genetics, Part A, 2021, 185, 3153-3160.	1.2	3
136	Transcriptomic analysis of two sheep breeds during lactation, using a new custom microarray platform. Italian Journal of Animal Science, 2009, 8, 33-35.	1.9	2
137	Elite Food Between the Late Middle Ages and Renaissance: Some Case Studies from Latium. Environmental Archaeology, 0, , 1-15.	1.2	2
138	Role of flexibility and long range communication on the function of human topoisomerase I. Italian Journal of Biochemistry, 2007, 56, 110-4.	0.3	2
139	MXAN and Molecular Dynamics: A New Way to Look to the XANES (X-ray Absorption Near Edge) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	1
140	Coding-Gene Coevolution Analysis of Rotavirus Proteins: A Bioinformatics and Statistical Approach. Genes, 2020, 11, 28.	2.4	1
141	Was the Cinta Senese Pig Already a Luxury Food in the Late Middle Ages? Ancient DNA and Archaeozoological Evidence from Central Italy. Genes, 2020, 11, 85.	2.4	1
142	Co-occurring SYNJ1 and SHANK3 variants in a girl with intellectual disability, early-onset parkinsonism and catatonic episodes. Parkinsonism and Related Disorders, 2021, 84, 5-7.	2.2	1
143	Abstract 637: Antisense transcripts and R-loops caused by DNA topoisomerase I inhibition by camptothecin at human active CpG island promoters.. , 2013, , .		1
144	Molecular Modelling Of BCRP (ABCG2) Multidrug Resistance Protein And Docking Of New Camptothecin Analogues. Biophysical Journal, 2009, 96, 599a.	0.5	0

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145	All-Atom Molecular Dynamics Simulations of the K+ Channel Chimera Kv1.2/Kv2.1. Biophysical Journal, 2010, 98, 519a.	0.5	0
146	Missense mutations of NCPAG gene affect calving ease in Piedmontese cattle: preliminary evidences. Italian Journal of Animal Science, 2018, 17, 301-305.	1.9	0
147	Abstract 1180: Activation of antisense transcription by Top1cc in human colon cancer cells. , 2011, , .		0
148	Performances of Bioinformatics Pipelines for the Identification of Pathogens in Clinical Samples with the De Novo Assembly Approaches: Focus on 2009 Pandemic Influenza A (H1N1). Open Bioinformatics Journal, 2014, 8, 1-5.	1.0	0
149	Using of NMR Milk Metabolomics to Evaluate Mammary Gland Health Status in Dairy Cows. Lecture Notes in Civil Engineering, 2022, , 67-75.	0.4	0