

Giovanni Chillemi

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145
papers

3,168
citations

33
h-index

47
g-index

158
ext. papers

3,672
ext. citations

5.6
avg, IF

5
L-index

#	Paper	IF	Citations
145	Revised ionic radii of lanthanoid(III) ions in aqueous solution. <i>Inorganic Chemistry</i> , 2011 , 50, 4572-9	5.1	170
144	Hydrogen and higher shell contributions in Zn ²⁺ , Ni ²⁺ , and Co ²⁺ aqueous solutions: an X-ray absorption fine structure and molecular dynamics study. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1958-67	16.4	153
143	Molecular dynamics simulations with constrained roto-translational motions: Theoretical basis and statistical mechanical consistency. <i>Journal of Chemical Physics</i> , 2000 , 112, 9-23	3.9	95
142	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 Zn ²⁺ , Ni ²⁺ , and Co ²⁺ in aqueous solutions. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1968-76	16.4	85
141	Massively parallel pyrosequencing highlights minority variants in the HIV-1 env quasispecies deriving from lymphomonocyte sub-populations. <i>Retrovirology</i> , 2009 , 6, 15	3.6	79
140	Single mutation in the linker domain confers protein flexibility and camptothecin resistance to human topoisomerase I. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43268-75	5.4	75
139	Type I DNA Topoisomerases. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 2169-2192	8.3	66
138	Evidence for sevenfold coordination in the first solvation shell of Hg(II) aqua ion. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5430-6	16.4	66
137	Biallelic Mutations in TBCD, Encoding the Tubulin Folding Cofactor D, Perturb Microtubule Dynamics and Cause Early-Onset Encephalopathy. <i>American Journal of Human Genetics</i> , 2016 , 99, 962-973 ¹¹		55
136	Detection of second hydration shells in ionic solutions by XANES: computed spectra for Ni ²⁺ in water based on molecular dynamics. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1853-8	16.4	52
135	Structural investigation of lanthanoid coordination: a combined XANES and molecular dynamics study. <i>Inorganic Chemistry</i> , 2009 , 48, 10239-48	5.1	49
134	A coupled molecular dynamics and XANES data analysis investigation of aqueous cadmium(II). <i>Journal of Physical Chemistry A</i> , 2008 , 112, 11833-41	2.8	48
133	Integrated experimental and theoretical approach for the structural characterization of Hg ²⁺ aqueous solutions. <i>Journal of Chemical Physics</i> , 2008 , 128, 084502	3.9	48
132	Antisense transcripts enhanced by camptothecin at divergent CpG-island promoters associated with bursts of topoisomerase I-DNA cleavage complex and R-loop formation. <i>Nucleic Acids Research</i> , 2013 , 41, 10110-23	20.1	46
131	Thr729 in human topoisomerase I modulates anti-cancer drug resistance by altering protein domain communications as suggested by molecular dynamics simulations. <i>Nucleic Acids Research</i> , 2008 , 36, 5645-51 ^{20.1}		46
130	Computational evidence for a variable first shell coordination of the cadmium(II) ion in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9186-93	3.4	46
129	The essential dynamics of Cu, Zn superoxide dismutase: suggestion of intersubunit communication. <i>Biophysical Journal</i> , 1997 , 73, 1007-18	2.9	45

128	Experimental evidence for a variable first coordination shell of the cadmium(II) ion in aqueous, dimethyl sulfoxide, and N,N'-dimethylpropyleneurea solution. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9178-85	3.4	45
127	Structural and dynamical properties of the Hg ₂ ⁺ aqua ion: a molecular dynamics study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4694-702	3.4	43
126	Effect on DNA relaxation of the single Thr718Ala mutation in human topoisomerase I: a functional and molecular dynamics study. <i>Nucleic Acids Research</i> , 2005 , 33, 3339-50	20.1	43
125	New hints on the Ph-driven tautomeric equilibria of the topotecan anticancer drug in aqueous solutions from an integrated spectroscopic and quantum-mechanical approach. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15429-36	16.4	42
124	Protein concerted motions in the DNA-human topoisomerase I complex. <i>Nucleic Acids Research</i> , 2003 , 31, 1525-35	20.1	42
123	A coupled Car-Parrinello molecular dynamics and EXAFS data analysis investigation of aqueous Co(2+). <i>Journal of Physical Chemistry A</i> , 2006 , 110, 13081-8	2.8	41
122	Effects of dutasteride on the expression of genes related to androgen metabolism and related pathway in human prostate cancer cell lines. <i>Investigational New Drugs</i> , 2007 , 25, 491-7	4.3	39
121	RNA-Sequencing for profiling goat milk transcriptome in colostrum and mature milk. <i>BMC Veterinary Research</i> , 2016 , 12, 264	2.7	38
120	Influence of the Second Coordination Shell on the XANES Spectra of the Zn ₂ ⁺ Ion in Water and Methanol. <i>ChemPlusChem</i> , 2012 , 77, 234-239	2.8	37
119	On the solvation of the Zn ₂ ⁺ ion in methanol: a combined quantum mechanics, molecular dynamics, and EXAFS approach. <i>Inorganic Chemistry</i> , 2011 , 50, 8509-15	5.1	37
118	Identification of a short region on chromosome 6 affecting direct calving ease in Piedmontese cattle breed. <i>PLoS ONE</i> , 2012 , 7, e50137	3.7	37
117	Valproic acid induces neuroendocrine differentiation and UGT2B7 up-regulation in human prostate carcinoma cell line. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 968-72	4	36
116	Theoretical modeling of the valence UV spectra of 1,2,3-triazine and uracil in solution. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 1385-93	3.6	36
115	UV-vis spectra of the anticancer camptothecin family drugs in aqueous solution: specific spectroscopic signatures unraveled by a combined computational and experimental study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5369-75	3.4	35
114	Erybraedin C, a natural compound from the plant <i>Bituminaria bituminosa</i> , inhibits both the cleavage and religation activities of human topoisomerase I. <i>Biochemical Journal</i> , 2010 , 425, 531-9	3.8	35
113	Massive screening of copy number population-scale variation in <i>Bos taurus</i> genome. <i>BMC Genomics</i> , 2013 , 14, 124	4.5	33
112	HECT-Type E3 Ubiquitin Ligases in Cancer. <i>Trends in Biochemical Sciences</i> , 2019 , 44, 1057-1075	10.3	32
111	Effect of the Zn ₂ ⁺ and Hg ₂ ⁺ ions on the structure of liquid water. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 4798-803	2.8	32

110	Analysis of co-receptor usage of circulating viral and proviral HIV genome quasispecies by ultra-deep pyrosequencing in patients who are candidates for CCR5 antagonist treatment. <i>Clinical Microbiology and Infection</i> , 2011 , 17, 725-31	9.5	31
109	The p53 tetramer shows an induced-fit interaction of the C-terminal domain with the DNA-binding domain. <i>Oncogene</i> , 2016 , 35, 3272-81	9.2	30
108	Structural and dynamical effects induced by the anticancer drug topotecan on the human topoisomerase I - DNA complex. <i>PLoS ONE</i> , 2010 , 5, e10934	3.7	30
107	Structural Evolution and Dynamics of the p53 Proteins. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017 , 7,	5.4	29
106	Structural-dynamical properties of the <i>Deinococcus radiodurans</i> topoisomerase IB in absence of DNA: correlation with the human enzyme. <i>Journal of Biomolecular Structure and Dynamics</i> , 2009 , 27, 307-18	3.6	29
105	Global transcription regulation by DNA topoisomerase I in exponentially growing <i>Saccharomyces cerevisiae</i> cells: activation of telomere-proximal genes by TOP1 deletion. <i>Journal of Molecular Biology</i> , 2008 , 377, 311-22	6.5	29
104	Structural dynamics of the mitochondrial ADP/ATP carrier revealed by molecular dynamics simulation studies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 65, 681-91	4.2	29
103	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. <i>Nucleic Acids Research</i> , 2009 , 37, 6849-58	20.1	28
102	Genome assembly and transcriptome resource for river buffalo, <i>Bubalus bubalis</i> (2n = 50). <i>GigaScience</i> , 2017 , 6, 1-6	7.6	27
101	Solvation structure of the halides from x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2016 , 145, 044318	3.9	27
100	Effects of the pathological Q212P mutation on human prion protein non-octarepeat copper-binding site. <i>Biochemistry</i> , 2012 , 51, 6068-79	3.2	26
99	Microarrays and high-throughput transcriptomic analysis in species with incomplete availability of genomic sequences. <i>New Biotechnology</i> , 2009 , 25, 272-9	6.4	26
98	Signatures of selection in five Italian cattle breeds detected by a 54K SNP panel. <i>Molecular Biology Reports</i> , 2014 , 41, 957-65	2.8	24
97	Role of the linker domain and the 203-214 N-terminal residues in the human topoisomerase I DNA complex dynamics. <i>Biophysical Journal</i> , 2004 , 87, 4087-97	2.9	24
96	Simulations of DNA topoisomerase 1B bound to supercoiled DNA reveal changes in the flexibility pattern of the enzyme and a secondary protein-DNA binding site. <i>Nucleic Acids Research</i> , 2014 , 42, 9304-12	20.1	23
95	Molecular dynamics simulation of the RNA complex of a double-stranded RNA-binding domain reveals dynamic features of the intermolecular interface and its hydration. <i>Biophysical Journal</i> , 2002 , 83, 3542-52	2.9	23
94	Structure and hydration of the DNA-human topoisomerase I covalent complex. <i>Biophysical Journal</i> , 2001 , 81, 490-500	2.9	23
93	Whole-exome sequencing and targeted gene sequencing provide insights into the role of PALB2 as a male breast cancer susceptibility gene. <i>Cancer</i> , 2017 , 123, 210-218	6.4	22

92	Deciphering the structural properties that confer stability to a DNA nanocage. <i>ACS Nano</i> , 2009 , 3, 1813-26.7	22.7	22
91	A single mutation in the 729 residue modulates human DNA topoisomerase IB DNA binding and drug resistance. <i>Nucleic Acids Research</i> , 2008 , 36, 5635-44	20.1	22
90	Molecular dynamics of the full-length p53 monomer. <i>Cell Cycle</i> , 2013 , 12, 3098-108	4.7	21
89	The different cleavage DNA sequence specificity explains the camptothecin resistance of the human topoisomerase I Glu418Lys mutant. <i>Nucleic Acids Research</i> , 2006 , 34, 5093-100	20.1	21
88	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. <i>European Journal of Cancer</i> , 2015 , 51, 2289-95	7.5	20
87	The open state of human topoisomerase I as probed by molecular dynamics simulation. <i>Nucleic Acids Research</i> , 2007 , 35, 3032-8	20.1	20
86	Structure and hydration of BamHI DNA recognition site: a molecular dynamics investigation. <i>Biophysical Journal</i> , 2000 , 79, 1263-72	2.9	20
85	X-ray absorption study of the solvation structure of Cu ²⁺ in methanol and dimethyl sulfoxide. <i>Inorganic Chemistry</i> , 2012 , 51, 8827-33	5.1	19
84	REDportal: millions of novel A-to-I RNA editing events from thousands of RNAseq experiments. <i>Nucleic Acids Research</i> , 2021 , 49, D1012-D1019	20.1	19
83	Microcephaly, intractable seizures and developmental delay caused by biallelic variants in TBCD: further delineation of a new chaperone-mediated tubulinopathy. <i>Clinical Genetics</i> , 2017 , 91, 725-738	4	18
82	Dynamic investigation of protein metal active sites: interplay of XANES and molecular dynamics simulations. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14901-9	16.4	18
81	Hif1 α down-regulation is associated with transposition of great arteries in mice treated with a retinoic acid antagonist. <i>BMC Genomics</i> , 2010 , 11, 497	4.5	18
80	Expanding the molecular diversity and phenotypic spectrum of glycerol 3-phosphate dehydrogenase 1 deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2016 , 39, 689-695	5.4	18
79	Transcriptomic investigation of meat tenderness in two Italian cattle breeds. <i>Animal Genetics</i> , 2016 , 47, 273-87	2.5	18
78	MD and Docking Studies Reveal That the Functional Switch of CYFIP1 is Mediated by a Butterfly-like Motion. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 3401-10	6.4	16
77	Importance of V3 loop flexibility and net charge in the context of co-receptor recognition. A molecular dynamics study on HIV gp120. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 29, 879-913.6	3.6	16
76	Archived HIV-1 minority variants detected by ultra-deep pyrosequencing in provirus may be fully replication competent. <i>Aids</i> , 2009 , 23, 2541-3	3.5	16
75	Derivation of a general fluid equation of state based on the quasi-Gaussian entropy theory: application to the Lennard-Jones fluid. <i>Molecular Physics</i> , 1999 , 96, 1469-1490	1.7	15

74	Molecular dynamics recipes for genome research. <i>Briefings in Bioinformatics</i> , 2018 , 19, 853-862	13.4	14
73	Structural dynamics of V3 loop with different electrostatics: implications on co-receptor recognition: a molecular dynamics study of HIV gp120. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 403-13	3.6	14
72	Binding of an Indenoisoquinoline to the topoisomerase-DNA complex induces reduction of linker mobility and strengthening of protein-DNA interaction. <i>PLoS ONE</i> , 2012 , 7, e51354	3.7	14
71	Simulative Analysis of a Truncated Octahedral DNA Nanocage Family Indicates the Single-Stranded Thymidine Linkers as the Major Player for the Conformational Variability. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16819-16827	3.8	14
70	Quantitative analysis of XANES spectra of disordered systems based on molecular dynamics. <i>Journal of Synchrotron Radiation</i> , 2005 , 12, 75-9	2.4	14
69	Skeletal muscle transcriptional profiles in two Italian beef breeds, Chianina and Maremmana, reveal breed specific variation. <i>Molecular Biology Reports</i> , 2016 , 43, 253-68	2.8	14
68	CoVaCS: a consensus variant calling system. <i>BMC Genomics</i> , 2018 , 19, 120	4.5	14
67	Muscle transcriptome analysis identifies genes involved in ciliogenesis and the molecular cascade associated with intramuscular fat content in Large White heavy pigs. <i>PLoS ONE</i> , 2020 , 15, e0233372	3.7	13
66	Equilibrium between 5- and 6-Fold Coordination in the First Hydration Shell of Cu(II). <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3958-65	2.8	13
65	Modeling conformational transitions in kinases by molecular dynamics simulations: achievements, difficulties, and open challenges. <i>Frontiers in Genetics</i> , 2014 , 5, 128	4.5	12
64	Solvent effects on the valence UV-vis absorption spectra of topotecan anticancer drug in aqueous solution at room temperature: a nanoseconds time-scale TD-DFT/MD computational study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6770-8	3.4	12
63	Role of Flexibility in Protein-DNA-Drug Recognition: The Case of Asp677Gly-Val703Ile Topoisomerase Mutant Hypersensitive to Camptothecin. <i>Journal of Amino Acids</i> , 2012 , 2012, 206083		12
62	SHOC2 subcellular shuttling requires the KEKE motif-rich region and N-terminal leucine-rich repeat domain and impacts on ERK signalling. <i>Human Molecular Genetics</i> , 2016 , 25, 3824-3835	5.6	11
61	Molecular Characterization of the First Ebola Virus Isolated in Italy, from a Health Care Worker Repatriated from Sierra Leone. <i>Genome Announcements</i> , 2015 , 3,		10
60	The SNPs in the human genetic blueprint era. <i>New Biotechnology</i> , 2013 , 30, 475-84	6.4	10
59	Dynamic changes in gene expression profiles of 22q11 and related orthologous genes during mouse development. <i>Gene</i> , 2007 , 391, 91-102	3.8	10
58	Assembly and characterization of pandemic influenza A H1N1 genome in nasopharyngeal swabs using high-throughput pyrosequencing. <i>New Microbiologica</i> , 2011 , 34, 391-7	1.1	10
57	PeachVar-DB: A Curated Collection of Genetic Variations for the Interactive Analysis of Peach Genome Data. <i>Plant and Cell Physiology</i> , 2018 , 59, e2	4.9	9

56	ADP/ATP mitochondrial carrier MD simulations to shed light on the structural-dynamical events that, after an additional mutation, restore the function in a pathological single mutant. <i>Journal of Structural Biology</i> , 2010 , 172, 225-32	3.4	9
55	An amber compatible molecular mechanics force field for the anticancer drug topotecan. <i>Theoretical Chemistry Accounts</i> , 2010 , 127, 293-302	1.9	9
54	Multiple Recombination Events and Strong Purifying Selection at the Origin of SARS-CoV-2 Spike Glycoprotein Increased Correlated Dynamic Movements. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	9
53	A gene expression atlas for different kinds of stress in the mouse brain. <i>Scientific Data</i> , 2020 , 7, 437	8.2	9
52	Smyd3 open & closed lock mechanism for substrate recruitment: The hinge motion of C-terminal domain inferred from μ second molecular dynamics simulations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 1466-74	4	9
51	Association between single nucleotide polymorphisms (SNPs) and milk production traits in Italian Brown cattle. <i>Livestock Science</i> , 2013 , 157, 93-99	1.7	8
50	Ion hydration in high-density water. <i>Journal of Physics: Conference Series</i> , 2009 , 190, 012057	0.3	8
49	On the Use of the Quasi-Gaussian Entropy Theory in Systems of Polyatomic Flexible Molecules. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 1834-1844	3.4	8
48	HPC-REDIttools: a novel HPC-aware tool for improved large scale RNA-editing analysis. <i>BMC Bioinformatics</i> , 2020 , 21, 353	3.6	8
47	Conformational Dynamics of Lysine Methyltransferase Smyd2. Insights into the Different Substrate Crevice Characteristics of Smyd2 and Smyd3. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 2467-2475	6.1	7
46	Clinical and functional characterization of a novel RASopathy-causing SHOC2 mutation associated with prenatal-onset hypertrophic cardiomyopathy. <i>Human Mutation</i> , 2019 , 40, 1046-1056	4.7	6
45	Assignment of UV-vis spectrum of (3,3')-diindolylmethane, a <i>Leishmania donovani</i> topoisomerase IB inhibitor and a candidate DNA minor groove binder. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 7121-6	2.8	6
44	A tool for sheep product quality: custom microarrays from public databases. <i>Nutrients</i> , 2009 , 1, 235-50	6.7	6
43	A specific transcriptional response of yeast cells to camptothecin dependent on the Swi4 and Mbp1 factors. <i>European Journal of Pharmacology</i> , 2009 , 603, 29-36	5.3	6
42	Genome-Wide DNA Methylation and Gene Expression Profiles in Cows Subjected to Different Stress Level as Assessed by Cortisol in Milk. <i>Genes</i> , 2020 , 11,	4.2	6
41	ELIXIR-IT HPC@CINECA: high performance computing resources for the bioinformatics community. <i>BMC Bioinformatics</i> , 2020 , 21, 352	3.6	6
40	Smyd2 conformational changes in response to p53 binding: role of the C-terminal domain. <i>Molecular Oncology</i> , 2019 , 13, 1450-1461	7.9	5
39	The role of computer technology in applied computational chemical-physics. <i>Computer Physics Communications</i> , 2001 , 139, 1-19	4.2	5

38	Structural and Dynamic Characterization of the C313Y Mutation in Myostatin Dimeric Protein, Responsible for the "Double Muscle" Phenotype in Piedmontese Cattle. <i>Frontiers in Genetics</i> , 2016 , 7, 14	4.5	5
37	Evidence of distinct gene functional patterns in GC-poor and GC-rich isochores in <i>Bos taurus</i> . <i>Animal Genetics</i> , 2020 , 51, 358-368	2.5	4
36	Role of the keratin 1 and keratin 10 tails in the pathogenesis of ichthyosis hystrix of Curth Macklin. <i>PLoS ONE</i> , 2018 , 13, e0195792	3.7	4
35	Massive NGS data analysis reveals hundreds of potential novel gene fusions in human cell lines. <i>GigaScience</i> , 2018 , 7,	7.6	4
34	Structural dynamics of V3 loop in a trimeric ambience, a molecular dynamics study on gp120-CD4 trimeric mimic. <i>Journal of Structural Biology</i> , 2014 , 186, 132-40	3.4	4
33	Microarray gene expression profiling of neural tissues in bovine spastic paresis. <i>BMC Veterinary Research</i> , 2013 , 9, 122	2.7	4
32	Carbon monoxide binding to the heme group at the dimeric interface modulates structure and copper accessibility in the Cu,Zn superoxide dismutase from <i>Haemophilus ducreyi</i> : in silico and in vitro evidences. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 30, 269-79	3.6	4
31	Development of a parallel molecular dynamics code on SIMD computers: Algorithm for use of pair list criterion. <i>Journal of Computational Chemistry</i> , 1998 , 19, 685-694	3.5	4
30	Structural and dynamic analysis of G558R mutation in chicken TSHR gene shows altered signal transduction and corroborates its role as a domestication gene. <i>Animal Genetics</i> , 2020 , 51, 51-57	2.5	4
29	Dynamic multiple-scattering treatment of X-ray absorption: Parameterization of a new molecular dynamics force field for myoglobin. <i>Structural Dynamics</i> , 2018 , 5, 054101	3.2	4
28	A molecular dynamics simulation study decodes the early stage of the disassembly process abolishing the human SAMHD1 function. <i>Journal of Computer-Aided Molecular Design</i> , 2017 , 31, 497-505	4.2	3
27	Gallop Racing Shifts Mature mRNA towards Introns: Does Exercise-Induced Stress Enhance Genome Plasticity?. <i>Genes</i> , 2020 , 11,	4.2	3
26	DROPA: DRIP-seq optimized peak annotator. <i>BMC Bioinformatics</i> , 2019 , 20, 414	3.6	3
25	Molecular Signature of the Ebola Virus Associated with the Fishermen Community Outbreak in Aberdeen, Sierra Leone, in February 2015. <i>Genome Announcements</i> , 2015 , 3,		3
24	Solvent dependency of the UV-Vis spectrum of indenoisoquinolines: role of keto-oxygens as polarity interaction probes. <i>PLoS ONE</i> , 2013 , 8, e73881	3.7	3
23	Gene expression profile study in CFTR mutated bronchial cell lines. <i>Clinical and Experimental Medicine</i> , 2006 , 6, 157-65	4.9	3
22	HPC-REDIttools: a Novel HPC-aware Tool for Improved Large Scale RNA-editing Analysis		3
21	Anti-Inflammatory Potential of Cow, Donkey and Goat Milk Extracellular Vesicles as Revealed by Metabolomic Profile. <i>Nutrients</i> , 2020 , 12,	6.7	3

20	Dissecting the Gene Expression Networks Associated with Variations in the Major Components of the Fatty Acid Muscle Profile in Large White Heavy Pigs. <i>Animals</i> , 2021 , 11,	3.1	3
19	The Quest for Genes Involved in Adaptation to Climate Change in Ruminant Livestock. <i>Animals</i> , 2021 , 11,	3.1	3
18	Transcriptomic analysis of two sheep breeds during lactation, using a new custom microarray platform. <i>Italian Journal of Animal Science</i> , 2009 , 8, 33-35	2.2	2
17	SPRED2 loss-of-function causes a recessive Noonan syndrome-like phenotype. <i>American Journal of Human Genetics</i> , 2021 , 108, 2112-2129	11	2
16	Recombination and purifying selection preserves covariant movements of mosaic SARS-CoV-2 protein S		2
15	New Insights into the Effect of Residue Mutations on the Rotavirus VP1 Function Using Molecular Dynamic Simulations. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 5011-5025	6.1	2
14	MXAN: A new program for ab-initio structural quantitative analysis of XANES experiments. <i>Computer Physics Communications</i> , 2021 , 265, 107992	4.2	2
13	Role of flexibility and long range communication on the function of human topoisomerase I. <i>Italian Journal of Biochemistry</i> , 2007 , 56, 110-4		2
12	Was the Cinta Senese Pig Already a Luxury Food in the Late Middle Ages? Ancient DNA and Archaeozoological Evidence from Central Italy. <i>Genes</i> , 2020 , 11,	4.2	1
11	MXAN and Molecular Dynamics: A New Way to Look to the XANES (X-ray Absorption Near Edge Structure) Energy Region. <i>Springer Proceedings in Physics</i> , 2018 , 197-219	0.2	1
10	New Insights Into the Effect of Residue Mutation on the Rotavirus VP1 Function Using Molecular Dynamic Simulations		1
9	Coding-Gene Coevolution Analysis of Rotavirus Proteins: A Bioinformatics and Statistical Approach. <i>Genes</i> , 2019 , 11,	4.2	1
8	Epilepsy and Mutations: Phenotypes, Natural History and Genotype-Phenotype Correlations. <i>Genes</i> , 2021 , 12,	4.2	1
7	Elite Food Between the Late Middle Ages and Renaissance: Some Case Studies from Latium. <i>Environmental Archaeology</i> , 1-15	1.2	1
6	Broadening the phenotypic spectrum of Beta3GalT6-associated phenotypes. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 3153-3160	2.5	0
5	Not just a Snapshot: An Italian Longitudinal Evaluation of Stability of Gut Microbiota Findings in Parkinson's Disease. <i>Brain Sciences</i> , 2022 , 12, 739	3.4	0
4	Missense mutations of NCPAG gene affect calving ease in Piedmontese cattle: preliminary evidences. <i>Italian Journal of Animal Science</i> , 2018 , 17, 301-305	2.2	
3	Molecular dynamics using P-threads. <i>Lecture Notes in Computer Science</i> , 1998 , 878-880	0.9	

2	Co-occurring SYNJ1 and SHANK3 variants in a girl with intellectual disability, early-onset parkinsonism and catatonic episodes. <i>Parkinsonism and Related Disorders</i> , 2021 , 84, 5-7	3.6
1	Using of NMR Milk Metabolomics to Evaluate Mammary Gland Health Status in Dairy Cows. <i>Lecture Notes in Civil Engineering</i> , 2022 , 67-75	0.3