

Jacopo Vertemara

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

248
citations

933447

10
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996975

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all docs

16
docs citations

16
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATP-bound conformation of the Mre11-Rad50 complex is essential for Tel1/ATM activation. <i>Nucleic Acids Research</i> , 2019, 47, 3550-3567.	14.5	35
2	Structurally distinct Mre11 domains mediate MRX functions in resection, end-tethering and DNA damage resistance. <i>Nucleic Acids Research</i> , 2018, 46, 2990-3008.	14.5	34
3	Functional and structural insights into the MRX/MRN complex, a key player in recognition and repair of DNA double-strand breaks. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1137-1152.	4.1	31
4	Epigallocatechin-3-gallate and related phenol compounds redirect the amyloidogenic aggregation pathway of ataxin-3 towards non-toxic aggregates and prevent toxicity in neural cells and <i>Caenorhabditis elegans</i> animal model. <i>Human Molecular Genetics</i> , 2017, 26, 3271-3284.	2.9	21
5	Structural characterization of the nitrogenase molybdenum-iron protein with the substrate acetylene trapped near the active site. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 129-134.	3.5	21
6	The MRX complex regulates Exo1 resection activity by altering DNA end structure. <i>EMBO Journal</i> , 2018, 37, .	7.8	21
7	Natural Selection at the Brush-Border: Adaptations to Carbohydrate Diets in Humans and Other Mammals. <i>Genome Biology and Evolution</i> , 2015, 7, 2569-2584.	2.5	16
8	Evolutionary Analysis Provides Insight Into the Origin and Adaptation of HCV. <i>Frontiers in Microbiology</i> , 2018, 9, 854.	3.5	15
9	Albuminoid Genes: Evolving at the Interface of Dispensability and Selection. <i>Genome Biology and Evolution</i> , 2014, 6, 2983-2997.	2.5	11
10	Rational Design of Fe ₂ (μ_4 -PR ₂) ₂ (L) ₆ Coordination Compounds Featuring Tailored Potential Inversion. <i>ChemPhysChem</i> , 2020, 21, 2279-2292.	2.1	11
11	Diverse selective regimes shape genetic diversity at ADAR genes and at their coding targets. <i>RNA Biology</i> , 2015, 12, 149-161.	3.1	9
12	On the photochemistry of Fe ₂ (edt)(CO) ₄ (PMe ₃) ₂ , a [FeFe]-hydrogenase model: A DFT/TDDFT investigation. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25537.	2.0	9
13	DNA binding modes influence Rap1 activity in the regulation of telomere length and MRX functions at DNA ends. <i>Nucleic Acids Research</i> , 2020, 48, 2424-2441.	14.5	7
14	Local unwinding of double-strand DNA ends by the MRX complex promotes Exo1 processing activity. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1511208.	0.7	6
15	Investigations of the electronic-molecular structure of bio-inorganic systems using modern methods of quantum chemistry. <i>Inorganica Chimica Acta</i> , 2022, 532, 120728.	2.4	1
16	Molecular Dynamics Simulations Reveal Structural Interconnections within Sec14-PH Bipartite Domain from Human Neurofibromin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5707.	4.1	0