

Ingrid Guarnetti Prandi

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

352
citations

933447

10
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine control of chlorophyll-carotenoid interactions defines the functionality of light-harvesting proteins in plants. <i>Scientific Reports</i> , 2017, 7, 13956.	3.3	57
2	Towards an ab initio description of the optical spectra of light-harvesting antennae: application to the CP29 complex of photosystem II. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14405-14416.	2.8	47
3	Classical Force Fields Tailored for QM Applications: Is It Really a Feasible Strategy?. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 4636-4648.	5.3	45
4	Recent Developments in Metal-Based Drugs and Chelating Agents for Neurodegenerative Diseases Treatments. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1829.	4.1	43
5	Combining classical molecular dynamics and quantum mechanical methods for the description of electronic excitations: The case of carotenoids. <i>Journal of Computational Chemistry</i> , 2016, 37, 981-991.	3.3	40
6	SPRED2 loss-of-function causes a recessive Noonan syndrome-like phenotype. <i>American Journal of Human Genetics</i> , 2021, 108, 2112-2129.	6.2	23
7	Photoprotection and triplet energy transfer in higher plants: the role of electronic and nuclear fluctuations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11288-11296.	2.8	21
8	Plasmon Enhanced Light Harvesting: Multiscale Modeling of the FMO Protein Coupled with Gold Nanoparticles. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5197-5206.	2.5	18
9	Enzimas degradantes de organofosforados: Base molecular e perspectivas para biorremediação enzimática de agroquímicos. <i>Ciencia E Agrotecnologia</i> , 2017, 41, 471-482.	1.5	15
10	Could Quantum Mechanical Properties Be Reflected on Classical Molecular Dynamics? The Case of Halogenated Organic Compounds of Biological Interest. <i>Frontiers in Chemistry</i> , 2019, 7, 848.	3.6	13
11	Altered Local Interactions and Long-Range Communications in UK Variant (B.1.1.7) Spike Glycoprotein. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5464.	4.1	9
12	Structure of the stress-related LHCSR1 complex determined by an integrated computational strategy. <i>Communications Biology</i> , 2022, 5, 145.	4.4	8
13	Parameterization and validation of a new force field for Pt(II) complexes of 2-(4-aminophenyl)benzothiazole. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26525. ⁷	2.9	7
14	Esterase 2 as a fluorescent biosensor for the detection of organophosphorus compounds: docking and electronic insights from molecular dynamics. <i>Molecular Simulation</i> , 2019, 45, 1432-1436.	2.0	6
15	Interactions of cantharidin-like inhibitors with human protein phosphatase-5 in a Mg ²⁺ system: molecular dynamics and quantum calculations. <i>Journal of Molecular Modeling</i> , 2018, 24, 303.	1.8	0