

Federico Comitani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8725151/publications.pdf>

Version: 2024-02-01

18
papers

517
citations

840776

11
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

952
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018, 561, 63-69.	27.8	136
2	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. <i>Biochemical Journal</i> , 2018, 475, 1909-1937.	3.7	60
3	Exploring Cryptic Pockets Formation in Targets of Pharmaceutical Interest with SWISH. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 3321-3331.	5.3	45
4	GABA Binding to an Insect GABA Receptor: A Molecular Dynamics and Mutagenesis Study. <i>Biophysical Journal</i> , 2012, 103, 2071-2081.	0.5	43
5	The Free Energy Landscape of GABA Binding to a Pentameric Ligand-Gated Ion Channel and Its Disruption by Mutations. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 3398-3406.	5.3	41
6	A Multiscale Simulation Approach to Modeling Drug-Protein Binding Kinetics. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6093-6101.	5.3	29
7	Lineage-defined leiomyosarcoma subtypes emerge years before diagnosis and determine patient survival. <i>Nature Communications</i> , 2021, 12, 4496.	12.8	28
8	Single cell derived mRNA signals across human kidney tumors. <i>Nature Communications</i> , 2021, 12, 3896.	12.8	27
9	Defining an Optimal Metric for the Path Collective Variables. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 25-32.	5.3	25
10	Tunable heat transfer with smart nanofluids. <i>Physical Review E</i> , 2012, 85, 066321.	2.1	24
11	Insights into the binding of GABA to the insect RDL receptor from atomistic simulations: a comparison of models. <i>Journal of Computer-Aided Molecular Design</i> , 2014, 28, 35-48.	2.9	14
12	Elucidating ligand binding and channel gating mechanisms in pentameric ligand-gated ion channels by atomistic simulations. <i>Biochemical Society Transactions</i> , 2015, 43, 151-156.	3.4	11
13	Mutagenesis computer experiments in pentameric ligand-gated ion channels: the role of simulation tools with different resolution. <i>Interface Focus</i> , 2019, 9, 20180067.	3.0	11
14	Trans-Cis Proline Switches in a Pentameric Ligand-Gated Ion Channel: How They Are Affected by and How They Affect the Biomolecular Environment. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 694-700.	4.6	11
15	Mapping the conformational free energy of aspartic acid in the gas phase and in aqueous solution. <i>Journal of Chemical Physics</i> , 2017, 146, 145102.	3.0	10
16	Extraction and high-throughput sequencing of oak heartwood DNA: Assessing the feasibility of genome-wide DNA methylation profiling. <i>PLoS ONE</i> , 2021, 16, e0254971.	2.5	1
17	Exploring the Binding of GABA to the Insect RDL Receptor with Metadynamics. <i>Biophysical Journal</i> , 2016, 110, 454a.	0.5	0
18	Resolving driver events in MLL-r negative high-risk infant ALL. <i>Journal of Clinical Oncology</i> , 2021, 39, 10030-10030.	1.6	0