

Vincenzo Carnevale

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2608527/publications.pdf>

Version: 2024-02-01

34
papers

810
citations

471371

17
h-index

552653

26
g-index

40
all docs

40
docs citations

40
times ranked

1272
citing authors

#	ARTICLE	IF	CITATIONS
1	Left Ventricular Mass and Parameters of Body Composition in Older Adults. Mayo Clinic Proceedings, 2022, 97, 626-628.	1.4	2
2	Epistasis Creates Invariant Sites and Modulates the Rate of Molecular Evolution. Molecular Biology and Evolution, 2022, 39, .	3.5	2
3	Dual regulation of TRPV1 channels by phosphatidylinositol via functionally distinct binding sites. Journal of Biological Chemistry, 2021, 296, 100573.	1.6	16
4	Particle-based Ising model. Physical Review E, 2021, 103, 012125.	0.8	2
5	Modeling solvation effects on absorption and fluorescence spectra of indole in aqueous solution. Journal of Chemical Physics, 2021, 154, 064104.	1.2	9
6	Investigations of water/oxide interfaces by molecular dynamics simulations. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2021, 11, e1537.	6.2	21
7	Binding Sites and the Mechanism of Action of Propofol and a Photoreactive Analogue in Prokaryotic Voltage-Gated Sodium Channels. ACS Chemical Neuroscience, 2021, 12, 3898-3914.	1.7	3
8	The generative capacity of probabilistic protein sequence models. Nature Communications, 2021, 12, 6302.	5.8	28
9	Probing ion channel functional architecture and domain recombination compatibility by massively parallel domain insertion profiling. Nature Communications, 2021, 12, 7114.	5.8	19
10	Analysis of the Destabilization of Bacterial Membranes by Quaternary Ammonium Compounds: A Combined Experimental and Computational Study. ChemBioChem, 2020, 21, 1510-1516.	1.3	41
11	First-Principles Calculation of Water p_K Using the Newly Developed SCAN Functional. Journal of Physical Chemistry Letters, 2020, 11, 54-59.	2.1	19
12	Arranging Small Molecules with Subnanometer Precision on DNA Origami Substrates for the Single-Molecule Investigation of Protein-Ligand Interactions. Small Structures, 2020, 1, 2000038.	6.9	31
13	Reply to Estimated Glomerular Filtration Rate and Muscle Mass in Older Patients: Diagnostic Accuracy of Creatinine-Based Equations and Implications in Practice. Journal of the American Medical Directors Association, 2020, 21, 567.	1.2	0
14	Microcanonical coarse-graining of the kinetic Ising model. Journal of Chemical Physics, 2020, 152, 084104.	1.2	2
15	Polyamine blockade and binding energetics in the MthK potassium channel. Journal of General Physiology, 2020, 152, .	0.9	10
16	Estimated Glomerular Filtration Rate and Muscle Mass: Their Relationship in Older Inpatients. Journal of the American Medical Directors Association, 2019, 20, 1469-1471.	1.2	7
17	Suppression of Zika Virus Infection in the Brain by the Antiretroviral Drug Rilpivirine. Molecular Therapy, 2019, 27, 2067-2079.	3.7	20
18	Sodium Halide Adsorption and Water Structure at the γ -Alumina(0001)/Water Interface. Journal of Physical Chemistry C, 2019, 123, 15618-15628.	1.5	19

#	ARTICLE	IF	CITATIONS
19	TRPA1 modulation by piperidine carboxamides suggests an evolutionarily conserved binding site and gating mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26008-26019.	3.3	18
20	Ion Channel Sensing: Are Fluctuations the Crux of the Matter?. Journal of Physical Chemistry Letters, 2018, 9, 1260-1264.	2.1	43
21	Permeating disciplines: Overcoming barriers between molecular simulations and classical structure-function approaches in biological ion transport. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 927-942.	1.4	8
22	Structural insights on TRPV5 gating by endogenous modulators. Nature Communications, 2018, 9, 4198.	5.8	118
23	A hypothetical molecular mechanism for TRPV1 activation that invokes rotation of an S6 asparagine. Journal of General Physiology, 2018, 150, 1554-1566.	0.9	30
24	Assessment of Skeletal Muscle Mass in Older People: Comparison Between 2 Anthropometry-Based Methods and Dual-Energy X-ray Absorptiometry. Journal of the American Medical Directors Association, 2018, 19, 793-796.	1.2	29
25	Propofol inhibits prokaryotic voltage-gated Na ⁺ channels by promoting activation-coupled inactivation. Journal of General Physiology, 2018, 150, 1299-1316.	0.9	17
26	Propofol inhibits the voltage-gated sodium channel NaChBac at multiple sites. Journal of General Physiology, 2018, 150, 1317-1331.	0.9	22
27	Molecular simulations and free-energy calculations suggest conformation-dependent anion binding to a cytoplasmic site as a mechanism for Na ⁺ /K ⁺ -ATPase ion selectivity. Journal of Biological Chemistry, 2017, 292, 12412-12423.	1.6	12
28	Small molecule modulation of voltage gated sodium channels. Current Opinion in Structural Biology, 2017, 43, 156-162.	2.6	10
29	Sites Contributing to TRPA1 Activation by the Anesthetic Propofol Identified by Photoaffinity Labeling. Biophysical Journal, 2017, 113, 2168-2172.	0.2	26
30	Does Proton Conduction in the Voltage-Gated H ⁺ Channel hHv1 Involve Grotthuss-Like Hopping via Acidic Residues?. Journal of Physical Chemistry B, 2017, 121, 3340-3351.	1.2	34
31	Conformational dynamics in TRPV1 channels reported by an encoded coumarin amino acid. ELife, 2017, 6, .	2.8	25
32	TRPV1: A Target for Rational Drug Design. Pharmaceuticals, 2016, 9, 52.	1.7	85
33	On the role of water density fluctuations in the inhibition of a proton channel. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8359-E8368.	3.3	33
34	Hydration structure of Na ⁺ and K ⁺ from <i>ab initio</i> molecular dynamics based on modern density functional theory. Molecular Physics, 2014, 112, 1448-1456.	0.8	37