

Myvizhi Esai Selvan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,792
citations

430874

18
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

7062
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunology of COVID-19: Current State of the Science. <i>Immunity</i> , 2020, 52, 910-941.	14.3	1,387
2	Proteogenomic Characterization Reveals Therapeutic Vulnerabilities in Lung Adenocarcinoma. <i>Cell</i> , 2020, 182, 200-225.e35.	28.9	410
3	A Molecular Dynamics Study of a Nafion Polyelectrolyte Membrane and the Aqueous Phase Structure for Proton Transport. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2208-2218.	2.6	207
4	A proteogenomic portrait of lung squamous cell carcinoma. <i>Cell</i> , 2021, 184, 4348-4371.e40.	28.9	170
5	Comparison of the Hydration and Diffusion of Protons in Perfluorosulfonic Acid Membranes with Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13273-13284.	2.6	119
6	Risk factors for death from COVID-19. <i>Nature Reviews Immunology</i> , 2020, 20, 407-407.	22.7	52
7	Identification of SERPINE1 as a Regulator of Glioblastoma Cell Dispersal with Transcriptome Profiling. <i>Cancers</i> , 2019, 11, 1651.	3.7	43
8	Molecular-Level Modeling of the Structure and Wetting of Electrode/Electrolyte Interfaces in Hydrogen Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1985-1993.	3.1	39
9	Molecular Dynamics Study of Structure and Transport of Water and Hydronium Ions at the Membrane/Vapor Interface of Nafion. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1975-1984.	3.1	39
10	Melittin Aggregation in Aqueous Solutions: Insight from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10390-10398.	2.6	38
11	Applications of a general random-walk theory for confined diffusion. <i>Physical Review E</i> , 2011, 83, 011120.	2.1	32
12	Rare, Pathogenic Germline Variants in <i>Fanconi Anemia</i> Genes Increase Risk for Squamous Lung Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 1517-1525.	7.0	31
13	A Reactive Molecular Dynamics Algorithm for Proton Transport in Aqueous Systems. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11965-11976.	3.1	29
14	Molecular Dynamic Simulations of the Effect on the Hydration of Nafion in the Presence of a Platinum Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12890-12899.	3.1	25
15	Inherited Rare, Deleterious Variants in ATM Increase Lung Adenocarcinoma Risk. <i>Journal of Thoracic Oncology</i> , 2020, 15, 1871-1879.	1.1	24
16	Ancestral reconstruction reveals mechanisms of ERK regulatory evolution. <i>ELife</i> , 2019, 8, .	6.0	24
17	Toward a Predictive Understanding of Water and Charge Transport in Proton Exchange Membranes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3052-3061.	2.6	23
18	Proton transport in water confined in carbon nanotubes: a reactive molecular dynamics study. <i>Molecular Simulation</i> , 2010, 36, 568-578.	2.0	19

#	ARTICLE	IF	CITATIONS
19	Reactive Molecular Dynamics Study of Proton Transport in Polymer Electrolyte Membranes. Journal of Physical Chemistry C, 2011, 115, 18835-18846.	3.1	19
20	A New Mixed All-Atom/Coarse-Grained Model: Application to Melittin Aggregation in Aqueous Solution. Journal of Chemical Theory and Computation, 2017, 13, 3881-3897.	5.3	16
21	A Reactive Molecular Dynamics Study of the Thermal Decomposition of Perfluorodimethyl Ether. Journal of Physical Chemistry B, 2009, 113, 13670-13677.	2.6	15
22	Germline Pathogenic Variants Impact Clinicopathology of Advanced Lung Cancer. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 1450-1459.	2.5	10
23	Generation of TRAIL-resistant cell line models reveals distinct adaptive mechanisms for acquired resistance and re-sensitization. Oncogene, 2021, 40, 3201-3216.	5.9	5
24	ImmuneRegulation: a web-based tool for identifying human immune regulatory elements. Nucleic Acids Research, 2019, 47, W142-W150.	14.5	4
25	Germline and Somatic Smoothed Mutations in Non-“Small-Cell Lung Cancer Are Potentially Responsive to Hedgehog Inhibitor Vismodegib. JCO Precision Oncology, 2017, 1, 1-10.	3.0	3
26	Studying Peptide Aggregation using Mixed All-Atom/Coarse Grain Molecular Dynamics Simulations. Biophysical Journal, 2017, 112, 198a.	0.5	1
27	Functional Common and Rare <i>ERBB2</i> Germline Variants Cooperate in Familial and Sporadic Cancer Susceptibility. Cancer Prevention Research, 2021, 14, 441-454.	1.5	0
28	Molecular-Level Modeling of the Structure and Proton Transport within the Membrane Electrode Assembly of Hydrogen Proton Exchange Membrane Fuel Cells. Modern Aspects of Electrochemistry, 2010, , 133-202.	0.2	0
29	Abstract 1572: Inherited truncating <i>RAD52</i> variant discovered using integrated germline- somatic analysis predicts clinical outcome in patients with lung cancers. , 2019, , .		0
30	Abstract 1572: Inherited truncating <i>RAD52</i> variant discovered using integrated germline- somatic analysis predicts clinical outcome in patients with lung cancers. , 2019, , .		0