

Graham R Smith

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34
papers

1,360
citations

18
h-index

34
g-index

34
ext. papers

1,453
ext. citations

5
avg, IF

4.05
L-index

#	Paper	IF	Citations
34	Simulation approaches to ion channel structure-function relationships. <i>Quarterly Reviews of Biophysics</i> , 2001 , 34, 473-561	7	168
33	The relationship between the flexibility of proteins and their conformational states on forming protein-protein complexes with an application to protein-protein docking. <i>Journal of Molecular Biology</i> , 2005 , 347, 1077-101	6.5	146
32	Setting up and optimization of membrane protein simulations. <i>European Biophysics Journal</i> , 2002 , 31, 217-27	1.9	145
31	Homology modeling and molecular dynamics simulation studies of an inward rectifier potassium channel. <i>Biophysical Journal</i> , 2000 , 78, 2929-42	2.9	120
30	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. <i>Nature Communications</i> , 2018 , 9, 256	17.4	90
29	Molecular dynamics simulations of the bacterial outer membrane protein FhuA: a comparative study of the ferrichrome-free and bound states. <i>Biophysical Journal</i> , 2003 , 85, 1406-20	2.9	85
28	Simulations of ion channels--watching ions and water move. <i>Trends in Biochemical Sciences</i> , 2000 , 25, 368-74	10.3	81
27	Electrostatics and the ion selectivity of ligand-gated channels. <i>Biophysical Journal</i> , 1998 , 75, 1211-22	2.9	71
26	Side-chain ionization states in a potassium channel. <i>Biophysical Journal</i> , 2001 , 80, 1210-9	2.9	70
25	Genome-Wide MicroRNA and Gene Analysis of Mesenchymal Stem Cell Chondrogenesis Identifies an Essential Role and Multiple Targets for miR-140-5p. <i>Stem Cells</i> , 2015 , 33, 3266-80	5.8	54
24	Novel alpha7-like nicotinic acetylcholine receptor subunits in the nematode <i>Caenorhabditis elegans</i> . <i>Protein Science</i> , 2002 , 11, 1162-71	6.3	44
23	Molecular dynamics characterization of protein crystal contacts in aqueous solutions. <i>Physical Review Letters</i> , 2008 , 101, 248102	7.4	38
22	Modelling the response of FOXO transcription factors to multiple post-translational modifications made by ageing-related signalling pathways. <i>PLoS ONE</i> , 2010 , 5, e11092	3.7	29
21	Functional recycling of C2 domains throughout evolution: a comparative study of synaptotagmin, protein kinase C and phospholipase C by sequence, structural and modelling approaches. <i>Journal of Molecular Biology</i> , 2003 , 333, 621-39	6.5	28
20	Evaluation of the 3D-Dock protein docking suite in rounds 1 and 2 of the CAPRI blind trial. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003 , 52, 74-9	4.2	26
19	Incorporation of flexibility into rigid-body docking: applications in rounds 3-5 of CAPRI. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005 , 60, 263-8	4.2	26
18	Electrostatics studies and molecular dynamics simulations of a homology model of the Shaker K ⁺ channel pore. <i>European Biophysics Journal</i> , 2001 , 30, 295-303	1.9	24

17	The nicotinic acetylcholine receptor: from molecular model to single-channel conductance. <i>European Biophysics Journal</i> , 2000 , 29, 29-37	1.9	20
16	Systems modelling of NHEJ reveals the importance of redox regulation of Ku70/80 in the dynamics of dna damage foci. <i>PLoS ONE</i> , 2013 , 8, e55190	3.7	18
15	Fibroblasts Promote Inflammation and Pain via IL-1 β Induction of the Monocyte Chemoattractant Chemokine (C-C Motif) Ligand 2. <i>American Journal of Pathology</i> , 2018 , 188, 696-714	5.8	17
14	Channels formed by the transmembrane helix of phospholamban: a simulation study. <i>Biophysical Chemistry</i> , 1997 , 69, 269-81	3.5	13
13	Ion channels of biological membranes: prediction of single channel conductance. <i>Theoretical Chemistry Accounts</i> , 1999 , 101, 97-102	1.9	9
12	Computer simulation models as a tool to investigate the role of microRNAs in osteoarthritis. <i>PLoS ONE</i> , 2017 , 12, e0187568	3.7	8
11	Expression of STAT3-regulated genes in circulating CD4+ T cells discriminates rheumatoid arthritis independently of clinical parameters in early arthritis. <i>Rheumatology</i> , 2019 , 58, 1250-1258	3.9	8
10	The Serum Proteome and Ursodeoxycholic Acid Response in Primary Biliary Cholangitis. <i>Hepatology</i> , 2021 , 74, 3269-3283	11.2	7
9	Protein-protein docking: progress in CAPRI rounds 6-12 using a combination of methods: the introduction of steered solvated molecular dynamics. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007 , 69, 816-22	4.2	6
8	Free energy of a potassium ion in a model of the channel formed by an amphipathic leucine-serine peptide. <i>European Biophysics Journal</i> , 2002 , 31, 198-206	1.9	3
7	Electrostatics of ligand-gated ion channels. <i>Biochemical Society Transactions</i> , 1998 , 26, S300	5.1	2
6	Therapeutic wavelengths of ultraviolet B radiation activate apoptotic, circadian rhythm, redox signalling and key canonical pathways in psoriatic epidermis. <i>Redox Biology</i> , 2021 , 41, 101924	11.3	2
5	Dynamic properties of ions in models of ion channels studied by molecular dynamics simulation. <i>Biochemical Society Transactions</i> , 1998 , 26, S195	5.1	1
4	The relationship between disease activity and UDCA response criteria in primary biliary cholangitis: A cohort study. <i>EBioMedicine</i> , 2022 , 80, 104068	8.8	1
3	RA-MAP, molecular immunological landscapes in early rheumatoid arthritis and healthy vaccine recipients.. <i>Scientific Data</i> , 2022 , 9, 196	8.2	0
2	Molecular modelling and electrostatic properties of the pore domain of ligand-gated receptors. <i>Biochemical Society Transactions</i> , 1997 , 25, 549S	5.1	
1	Molecular dynamics of ion/channel interactions. <i>Biochemical Society Transactions</i> , 1998 , 26, S301	5.1	