Graham R Smith

List of Publications by Year in Descending Order

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	RA-MAP, molecular immunological landscapes in early rheumatoid arthritis and healthy vaccine recipients.. *Scientific Data*, **2022**, 9, 196	8.2	0
33	The relationship between disease activity and UDCA response criteria in primary biliary cholangitis: A cohort study. *EBioMedicine*, **2022**, 80, 104068	8.8	1
32	Therapeutic wavelengths of ultraviolet B radiation activate apoptotic, circadian rhythm, redox signalling and key canonical pathways in psoriatic epidermis. *Redox Biology*, **2021**, 41, 101924	11.3	2
31	The Serum Proteome and Ursodeoxycholic Acid Response in Primary Biliary Cholangitis. *Hepatology* , **2021**, 74, 3269-3283	11.2	7
30	Expression of STAT3-regulated genes in circulating CD4+ T cells discriminates rheumatoid arthritis independently of clinical parameters in early arthritis. *Rheumatology*, **2019**, 58, 1250-1258	3.9	8
29	Oxidation of SQSTM1/p62 mediates the link between redox state and protein homeostasis. *Nature Communications*, **2018**, 9, 256	17.4	90
28	Fibroblasts Promote Inflammation and Pain via IL-1□nduction of the Monocyte Chemoattractant Chemokine (C-C Motif) Ligand 2. *American Journal of Pathology*, **2018**, 188, 696-714	5.8	17
27	Computer simulation models as a tool to investigate the role of microRNAs in osteoarthritis. *PLoS ONE*, **2017**, 12, e0187568	3.7	8
26	Genome-Wide MicroRNA and Gene Analysis of Mesenchymal Stem Cell Chondrogenesis Identifies an Essential Role and Multiple Targets for miR-140-5p. *Stem Cells*, **2015**, 33, 3266-80	5.8	54
25	Systems modelling of NHEJ reveals the importance of redox regulation of Ku70/80 in the dynamics of dna damage foci. *PLoS ONE*, **2013**, 8, e55190	3.7	18
24	Modelling the response of FOXO transcription factors to multiple post-translational modifications made by ageing-related signalling pathways. *PLoS ONE*, **2010**, 5, e11092	3.7	29
23	Molecular dynamics characterization of protein crystal contacts in aqueous solutions. *Physical Review Letters*, **2008**, 101, 248102	7.4	38
22	Protein-protein docking: progress in CAPRI rounds 6-12 using a combination of methods: the introduction of steered solvated molecular dynamics. *Proteins: Structure, Function and Bioinformatics*, **2007**, 69, 816-22	4.2	6
21	The relationship between the flexibility of proteins and their conformational states on forming protein-protein complexes with an application to protein-protein docking. *Journal of Molecular Biology*, **2005**, 347, 1077-101	6.5	146
20	Incorporation of flexibility into rigid-body docking: applications in rounds 3-5 of CAPRI. *Proteins: Structure, Function and Bioinformatics*, **2005**, 60, 263-8	4.2	26
19	Evaluation of the 3D-Dock protein docking suite in rounds 1 and 2 of the CAPRI blind trial. *Proteins: Structure, Function and Bioinformatics*, **2003**, 52, 74-9	4.2	26
18	Functional recycling of C2 domains throughout evolution: a comparative study of synaptotagmin, protein kinase C and phospholipase C by sequence, structural and modelling approaches. *Journal of Molecular Biology*, **2003**, 333, 621-39	6.5	28

17	Molecular dynamics simulations of the bacterial outer membrane protein FhuA: a comparative study of the ferrichrome-free and bound states. *Biophysical Journal*, **2003**, 85, 1406-20	2.9	85
16	Free energy of a potassium ion in a model of the channel formed by an amphipathic leucine-serine peptide. *European Biophysics Journal*, **2002**, 31, 198-206	1.9	3
15	Setting up and optimization of membrane protein simulations. *European Biophysics Journal*, **2002**, 31, 217-27	1.9	145
14	Novel alpha7-like nicotinic acetylcholine receptor subunits in the nematode Caenorhabditis elegans. *Protein Science*, **2002**, 11, 1162-71	6.3	44
13	Electrostatics studies and molecular dynamics simulations of a homology model of the Shaker K+ channel pore. *European Biophysics Journal*, **2001**, 30, 295-303	1.9	24
12	Simulation approaches to ion channel structure-function relationships. *Quarterly Reviews of Biophysics*, **2001**, 34, 473-561	7	168
11	Side-chain ionization states in a potassium channel. *Biophysical Journal*, **2001**, 80, 1210-9	2.9	70
10	Simulations of ion channels--watching ions and water move. *Trends in Biochemical Sciences*, **2000**, 25, 368-74	10.3	81
9	The nicotinic acetylcholine receptor: from molecular model to single-channel conductance. *European Biophysics Journal*, **2000**, 29, 29-37	1.9	20
8	Homology modeling and molecular dynamics simulation studies of an inward rectifier potassium channel. *Biophysical Journal*, **2000**, 78, 2929-42	2.9	120
7	Ion channels of biological membranes: prediction of single channel conductance. *Theoretical Chemistry Accounts*, **1999**, 101, 97-102	1.9	9
6	Electrostatics and the ion selectivity of ligand-gated channels. *Biophysical Journal*, **1998**, 75, 1211-22	2.9	71
5	Dynamic properties of ions in models of ion channels studied by molecular dynamics simulation. *Biochemical Society Transactions*, **1998**, 26, S195	5.1	1
4	Molecular dynamics of ion/channel interactions. *Biochemical Society Transactions*, **1998**, 26, S301	5.1	
3	Electrostatics of ligand-gated ion channels. *Biochemical Society Transactions*, **1998**, 26, S300	5.1	2
2	Molecular modelling and electrostatic properties of the pore domain of ligand-gated receptors. *Biochemical Society Transactions*, **1997**, 25, 549S	5.1	
1	Channels formed by the transmembrane helix of phospholamban: a simulation study. *Biophysical Chemistry*, **1997**, 69, 269-81	3.5	13