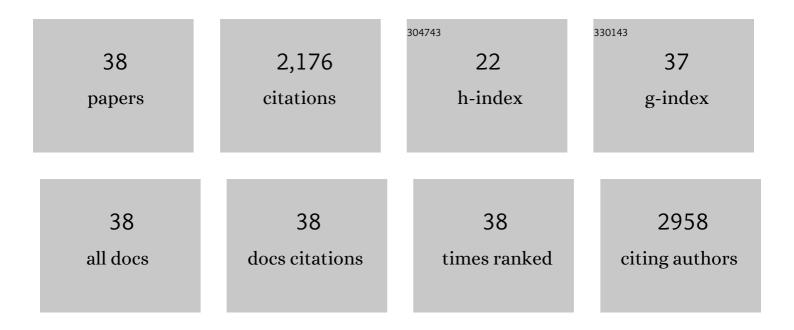
Haluk Resat

List of Publications by Year in descending order

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HALLIK RESAT

#	Article	IF	CITATIONS
1	Constitutive activation of <scp>STAT</scp> 3 in breast cancer cells: A review. International Journal of Cancer, 2016, 138, 2570-2578.	5.1	475
2	Rapid and sustained nuclear–cytoplasmic ERK oscillations induced by epidermal growth factor. Molecular Systems Biology, 2009, 5, 332.	7.2	216
3	A molecular theory of solvation dynamics. Journal of Chemical Physics, 1994, 100, 1477-1491.	3.0	165
4	An Integrated Model of Epidermal Growth Factor Receptor Trafficking and Signal Transduction. Biophysical Journal, 2003, 85, 730-743.	0.5	159
5	Molecular Properties of Amphotericin B Membrane Channel: A Molecular Dynamics Simulation. Molecular Pharmacology, 1997, 52, 560-570.	2.3	118
6	Static longitudinal dielectric function of model molecular fluids. Journal of Chemical Physics, 1992, 96, 3068-3084.	3.0	107
7	Studies on free energy calculations. I. Thermodynamic integration using a polynomial path. Journal of Chemical Physics, 1993, 99, 6052-6061.	3.0	91
8	Cell Surface Receptors for Signal Transduction and Ligand Transport: A Design Principles Study. PLoS Computational Biology, 2007, 3, e101.	3.2	75
9	Modeling Microbial Dynamics in Heterogeneous Environments: Growth on Soil Carbon Sources. Microbial Ecology, 2012, 63, 883-897.	2.8	66
10	Receptor downregulation and desensitization enhance the information processing ability of signalling receptors. BMC Systems Biology, 2007, 1, 48.	3.0	64
11	Modeling the Effects of HER/ErbB1-3 Coexpression on Receptor Dimerization and Biological Response. Biophysical Journal, 2006, 90, 3993-4009.	0.5	62
12	Probability-Weighted Dynamic Monte Carlo Method for Reaction Kinetics Simulations. Journal of Physical Chemistry B, 2001, 105, 11026-11034.	2.6	55
13	Grand Canonical Monte Carlo Simulation of Water Positions in Crystal Hydrates. Journal of the American Chemical Society, 1994, 116, 7451-7452.	13.7	50
14	Combining microarray and genomic data to predict DNA binding motifs. Microbiology (United) Tj ETQq0 0 0 rgBT	Qverlock	2 10 Tf 50 22
15	A dielectric theory of the opticalâ€like highâ€frequency mode in liquid water. Journal of Chemical Physics, 1992, 97, 2618-2625.	3.0	47
16	Enzyme-Inhibitor Association Thermodynamics. Biophysical Journal, 1997, 72, 522-532.	0.5	37
17	Free energy simulations: Correcting for electrostatic cutoffs by use of the Poisson equation. Journal of Chemical Physics, 1996, 104, 7645-7651.	3.0	35

¹⁸HER/ErbB receptor interactions and signaling patterns in human mammary epithelial cells. BMC Cell
Biology, 2009, 10, 78.3.034

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#	Article	IF	CITATIONS
19	Studies on free energy calculations. II. A theoretical approach to molecular solvation. Journal of Chemical Physics, 1994, 101, 6126-6140.	3.0	32
20	Studies of the opticalâ€like high frequency dispersion mode in liquid water. Journal of Chemical Physics, 1993, 98, 7277-7280.	3.0	28
21	Correcting for electrostatic cutoffs in free energy simulations: Toward consistency between simulations with different cutoffs. Journal of Chemical Physics, 1998, 108, 9617-9623.	3.0	23
22	lon passage pathways and thermodynamics of the amphotericin B membrane channel. European Biophysics Journal, 2002, 31, 294-305.	2.2	22
23	Quantifying the effects of co-expressing EGFR and HER2 on HER activation and trafficking. Biochemical and Biophysical Research Communications, 2008, 371, 220-224.	2.1	20
24	Solvation studies of DMP323 and A76928 bound to HIV protease: Analysis of water sites using grand canonical Monte Carlo simulations. Protein Science, 1998, 7, 573-579.	7.6	17
25	Model-Based Analysis of HER Activation in Cells Co-Expressing EGFR, HER2 and HER3. PLoS Computational Biology, 2013, 9, e1003201.	3.2	16
26	Integrated experimental and model-based analysis reveals the spatial aspects of EGFR activation dynamics. Molecular BioSystems, 2012, 8, 2868.	2.9	15
27	Integrated analysis reveals that STAT3 is central to the crosstalk between HER/ErbB receptor signaling pathways in human mammary epithelial cells. Molecular BioSystems, 2015, 11, 146-158.	2.9	14
28	Quantitative investigation of MDA-MB-231 breast cancer cell motility: dependence on epidermal growth factor concentration and its gradient. Molecular BioSystems, 2017, 13, 2069-2082.	2.9	13
29	Modeling signal transduction networks: A comparison of two stochastic kinetic simulation algorithms. Journal of Chemical Physics, 2005, 123, 114707.	3.0	12
30	Flow Partitioning in Fully Saturated Soil Aggregates. Transport in Porous Media, 2014, 103, 295-314.	2.6	11
31	Correcting for solvent–solvent electrostatic cutoffs considerably improves the ion-pair potential of mean force. Journal of Chemical Physics, 1999, 110, 6887-6889.	3.0	10
32	Spatial Aspects in Biological System Simulations. Methods in Enzymology, 2011, 487, 485-511.	1.0	10
33	EGFR signaling pathways are wired differently in normal 184A1L5 human mammary epithelial and MDA-MB-231 breast cancer cells. Journal of Cell Communication and Signaling, 2017, 11, 341-356.	3.4	10
34	STAT3 Knockdown Induces Tumor Formation by MDA-MB-231 Cells. Clinical Oncology and Research, 2018, 1, .	0.0	7
35	Reconstruction of biofilm images: combining local and global structural parameters. Biofouling, 2014, 30, 1141-1154.	2.2	6
36	Extracting fluid structures from neutron diffraction data. Chemical Physics Letters, 1995, 236, 1-7.	2.6	3

#	Article	IF	CITATIONS
37	Calculating the local solvent chemical potential in crystal hydrates. Physical Review E, 2000, 62, 7077-7081.	2.1	2
38	An Adaptive Coarse Graining Method for Signal Transduction in Three Dimensions. Fundamenta Informaticae, 2012, 118, 371-384.	0.4	0