

# Haluk Resat

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,176  
citations

304743

22  
h-index

330143

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2958  
citing authors



| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Studies on free energy calculations. II. A theoretical approach to molecular solvation. <i>Journal of Chemical Physics</i> , 1994, 101, 6126-6140.   | 3.0 | 32        |
| 20 | Studies of the optical-like high frequency dispersion mode in liquid water. <i>Journal of Chemical Physics</i> , 1993, 98, 7277-7280.  | 3.0 | 28        |
| 21 | Correcting for electrostatic cutoffs in free energy simulations: Toward consistency between simulations with different cutoffs. <i>Journal of Chemical Physics</i> , 1998, 108, 9617-9623.           | 3.0 | 23        |
| 22 | Ion passage pathways and thermodynamics of the amphotericin B membrane channel. <i>European Biophysics Journal</i> , 2002, 31, 294-305.  | 2.2 | 22        |
| 23 | Quantifying the effects of co-expressing EGFR and HER2 on HER activation and trafficking. <i>Biochemical and Biophysical Research Communications</i> , 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. <i>Protein Science</i> , 1998, 7, 573-579.                      | 7.6 | 17        |
| 25 | Model-Based Analysis of HER Activation in Cells Co-Expressing EGFR, HER2 and HER3. <i>PLoS Computational Biology</i> , 2013, 9, e1003201.  | 3.2 | 16        |
| 26 | Integrated experimental and model-based analysis reveals the spatial aspects of EGFR activation dynamics. <i>Molecular BioSystems</i> , 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. <i>Molecular BioSystems</i> , 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. <i>Molecular BioSystems</i> , 2017, 13, 2069-2082.       | 2.9 | 13        |
| 29 | Modeling signal transduction networks: A comparison of two stochastic kinetic simulation algorithms. <i>Journal of Chemical Physics</i> , 2005, 123, 114707.   | 3.0 | 12        |
| 30 | Flow Partitioning in Fully Saturated Soil Aggregates. <i>Transport in Porous Media</i> , 2014, 103, 295-314.   | 2.6 | 11        |
| 31 | Correcting for solvent-solvent electrostatic cutoffs considerably improves the ion-pair potential of mean force. <i>Journal of Chemical Physics</i> , 1999, 110, 6887-6889.                          | 3.0 | 10        |
| 32 | Spatial Aspects in Biological System Simulations. <i>Methods in Enzymology</i> , 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. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 341-356. | 3.4 | 10        |
| 34 | STAT3 Knockdown Induces Tumor Formation by MDA-MB-231 Cells. <i>Clinical Oncology and Research</i> , 2018, 1, .  | 0.0 | 7         |
| 35 | Reconstruction of biofilm images: combining local and global structural parameters. <i>Biofouling</i> , 2014, 30, 1141-1154.   | 2.2 | 6         |
| 36 | Extracting fluid structures from neutron diffraction data. <i>Chemical Physics Letters</i> , 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         |