

Marc Baaden

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

5,139
citations

87888

38
h-index

98798

67
g-index

137
all docs

137
docs citations

137
times ranked

5362
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Between Two Walls: Modeling the Adsorption Behavior of β -Glucosidase A on Bare and SAM-Functionalized Gold Surfaces. <i>Langmuir</i> , 2022, 38, 1313-1323. | 3.5 | 2 |
| 2 | Wielding the power of interactive molecular simulations. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, . | 14.6 | 5 |
| 3 | Building Biological Relevance Into Integrative Modelling of Macromolecular Assemblies. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 826136. | 3.5 | 2 |
| 4 | Design “a new way to look at old molecules. <i>Journal of Integrative Bioinformatics</i> , 2022, 19, . | 1.5 | 3 |
| 5 | Hydroxy Channels“Adaptive Pathways for Selective Water Cluster Permeation. <i>Journal of the American Chemical Society</i> , 2021, 143, 4224-4233. | 13.7 | 27 |
| 6 | Mechanistic Insights on Heme-to-Heme Transmembrane Electron Transfer Within NADPH Oxydases From Atomistic Simulations. <i>Frontiers in Chemistry</i> , 2021, 9, 650651. | 3.6 | 3 |
| 7 | <i>UnityMol</i> prototype for FAIR sharing of molecular-visualization experiences: from pictures in the cloud to collaborative virtual reality exploration in immersive 3D environments. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 746-754. | 2.3 | 13 |
| 8 | Molecular dynamics simulations reveal statistics and microscopic mechanisms of water permeation in membrane-embedded artificial water channel nanoconstructs. <i>Journal of Chemical Physics</i> , 2021, 154, 184102. | 3.0 | 5 |
| 9 | Lessons learned from urgent computing in Europe: Tackling the COVID-19 pandemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 3 |
| 10 | Characterization of β -turns by electronic circular dichroism spectroscopy: a coupled molecular dynamics and time-dependent density functional theory computational study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1611-1623. | 2.8 | 19 |
| 11 | Visualizing biomolecular electrostatics in virtual reality with UnityMol“APBS. <i>Protein Science</i> , 2020, 29, 237-246. | 7.6 | 31 |
| 12 | Implicit Modeling of the Impact of Adsorption on Solid Surfaces for Protein Mechanics and Activity with a Coarse-Grained Representation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8516-8523. | 2.6 | 8 |
| 13 | Biomimetic Approach for Highly Selective Artificial Water Channels Based on Tubular Pillar[5]arene Dimers. <i>Angewandte Chemie</i> , 2020, 132, 23413-23419. | 2.0 | 6 |
| 14 | Biomimetic Approach for Highly Selective Artificial Water Channels Based on Tubular Pillar[5]arene Dimers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23213-23219. | 13.8 | 32 |
| 15 | Visualizing protein structures “ tools and trends. <i>Biochemical Society Transactions</i> , 2020, 48, 499-506. | 3.4 | 16 |
| 16 | Computer Simulations Provide Guidance for Molecular Medicine Through Insights on Dynamics and Mechanisms at the Atomic Scale. <i>IFMBE Proceedings</i> , 2020, , 261-265. | 0.3 | 0 |
| 17 | Using Computer Simulations and Virtual Reality to Understand, Design and Optimize Artificial Water Channels. <i>Lecture Notes in Bioengineering</i> , 2020, , 78-99. | 0.4 | 2 |
| 18 | Physics-based oligomeric models of the yeast mitofusin Fzo1 at the molecular scale in the context of membrane docking. <i>Mitochondrion</i> , 2019, 49, 234-244. | 3.4 | 12 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Structural dataset from microsecond-long simulations of yeast mitofusin Fzo1 in the context of membrane docking. <i>Data in Brief</i> , 2019, 26, 104460. | 1.0 | 4 |
| 20 | A Molecular Perspective on Mitochondrial Membrane Fusion: From the Key Players to Oligomerization and Tethering of Mitofusin. <i>Journal of Membrane Biology</i> , 2019, 252, 293-306. | 2.1 | 12 |
| 21 | Molecular Graphics: Bridging Structural Biologists and Computer Scientists. <i>Structure</i> , 2019, 27, 1617-1623. | 3.3 | 42 |
| 22 | Molecular modelling as the spark for active learning approaches for interdisciplinary biology teaching. <i>Interface Focus</i> , 2019, 9, 20180065. | 3.0 | 11 |
| 23 | Highlights from the Faraday Discussion on Artificial Water Channels, Glasgow, UK. <i>Chemical Communications</i> , 2019, 55, 3853-3858. | 4.1 | 3 |
| 24 | Visualizing Biological Membrane Organization and Dynamics. <i>Journal of Molecular Biology</i> , 2019, 431, 1889-1919. | 4.2 | 18 |
| 25 | Advancing Multi-Scale Simulation Methods for Biological Membrane Systems. <i>Biophysical Journal</i> , 2019, 116, 373a-374a. | 0.5 | 0 |
| 26 | Modelling lipid systems in fluid with Lattice Boltzmann Molecular Dynamics simulations and hydrodynamics. <i>Scientific Reports</i> , 2019, 9, 16450. | 3.3 | 22 |
| 27 | Glutathionylation primes soluble glyceraldehyde-3-phosphate dehydrogenase for late collapse into insoluble aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26057-26065. | 7.1 | 39 |
| 28 | Holding the Nucleosome Together: A Quantitative Description of the DNA-Histone Interface in Solution. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 1045-1058. | 5.3 | 16 |
| 29 | Dystrophin's central domain forms a complex filament that becomes disorganized by in-frame deletions. <i>Journal of Biological Chemistry</i> , 2018, 293, 6637-6646. | 3.4 | 19 |
| 30 | Oriented chiral water wires in artificial transmembrane channels. <i>Science Advances</i> , 2018, 4, eaao5603. | 10.3 | 69 |
| 31 | Multi-scale simulations of biological systems using the OPEP coarse-grained model. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 296-304. | 2.1 | 26 |
| 32 | Analyzing protein topology based on Laguerre tessellation of a pore-traversing water network. <i>Scientific Reports</i> , 2018, 8, 13540. | 3.3 | 5 |
| 33 | The modelling and enhancement of water hydrodynamics: general discussion. <i>Faraday Discussions</i> , 2018, 209, 273-285. | 3.2 | 2 |
| 34 | Structure and function of natural proteins for water transport: general discussion. <i>Faraday Discussions</i> , 2018, 209, 83-95. | 3.2 | 4 |
| 35 | Biomimetic water channels: general discussion. <i>Faraday Discussions</i> , 2018, 209, 205-229. | 3.2 | 10 |
| 36 | Applications to water transport systems: general discussion. <i>Faraday Discussions</i> , 2018, 209, 389-414. | 3.2 | 4 |

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| 37 | From Virtual Reality to Immersive Analytics in Bioinformatics. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, . | 1.5 | 23 |
| 38 | MinOmics, an Integrative and Immersive Tool for Multi-Omics Analysis. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, . | 1.5 | 25 |
| 39 | Controlling Redox Enzyme Orientation at Planar Electrodes. <i>Catalysts</i> , 2018, 8, 192. | 3.5 | 78 |
| 40 | Water permeation across artificial I-quartet membrane channels: from structure to disorder. <i>Faraday Discussions</i> , 2018, 209, 125-148. | 3.2 | 29 |
| 41 | Semantics for an Integrative and Immersive Pipeline Combining Visualization and Analysis of Molecular Data. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, . | 1.5 | 20 |
| 42 | Ten simple rules to create a serious game, illustrated with examples from structural biology. <i>PLoS Computational Biology</i> , 2018, 14, e1005955. | 3.2 | 20 |
| 43 | The major β -catenin/E-cadherin junctional binding site is a primary molecular mechano-transducer of differentiation in vivo. <i>ELife</i> , 2018, 7, . | 6.0 | 62 |
| 44 | Gating Pathways for a Pentameric Ligand-Gated Ion Channel Solved by Atomistic String Method Simulations. <i>Biophysical Journal</i> , 2017, 112, 475a. | 0.5 | 1 |
| 45 | Residues of Alpha Helix H3 Determine Distinctive Features of Transforming Growth Factor β 3. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5483-5498. | 2.6 | 7 |
| 46 | String method solution of the gating pathways for a pentameric ligand-gated ion channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4158-E4167. | 7.1 | 60 |
| 47 | What Can Human-Guided Simulations Bring to RNA Folding?. <i>Biophysical Journal</i> , 2017, 113, 302-312. | 0.5 | 8 |
| 48 | Deciphering Anesthetic Action of Noble Gases through their Modulation of Membrane Protein and Lipid Bilayer Properties. <i>Biophysical Journal</i> , 2017, 112, 553a-554a. | 0.5 | 0 |
| 49 | A membrane-inserted structural model of the yeast mitofusin Fzo1. <i>Scientific Reports</i> , 2017, 7, 10217. | 3.3 | 25 |
| 50 | Visualization of Biomolecular Structures: State of the Art Revisited. <i>Computer Graphics Forum</i> , 2017, 36, 178-204. | 3.0 | 69 |
| 51 | Sites of Anesthetic Inhibitory Action on a Cationic Ligand-Gated Ion Channel. <i>Structure</i> , 2016, 24, 595-605. | 3.3 | 35 |
| 52 | Allosteric Gating Pathways for the Pentameric Ligand-Gated Ion Channel. <i>Biophysical Journal</i> , 2016, 110, 456a. | 0.5 | 0 |
| 53 | Salt-Excluding Artificial Water Channels Exhibiting Enhanced Dipolar Water and Proton Translocation. <i>Journal of the American Chemical Society</i> , 2016, 138, 5403-5409. | 13.7 | 111 |
| 54 | Visual Analysis of Biomolecular Cavities: State of the Art. <i>Computer Graphics Forum</i> , 2016, 35, 527-551. | 3.0 | 46 |

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| 55 | Interactive visual analytics of molecular data in immersive environments via a semantic definition of the content and the context. , 2016, , . | | 12 |
| 56 | Mitochondrial Membrane Fusion: Computational Modeling of Mitofusins. Biophysical Journal, 2016, 110, 571a. | 0.5 | 0 |
| 57 | UnityMol: interactive and ludic visual manipulation of coarse-grained RNA and other biomolecules. , 2015, , . | | 7 |
| 58 | Epock: rapid analysis of protein pocket dynamics. Bioinformatics, 2015, 31, 1478-1480. | 4.1 | 81 |
| 59 | Content and task based navigation for structural biology in 3D environments. , 2015, , . | | 4 |
| 60 | Allosteric and hyperekplexic mutant phenotypes investigated on an $\alpha 1$ glycine receptor transmembrane structure. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2865-2870. | 7.1 | 56 |
| 61 | Taming molecular flexibility to tackle rare diseases. Biochimie, 2015, 113, 54-58. | 2.6 | 13 |
| 62 | Nothing to Sneeze at: A Full-Scale Computational Model of the Human Influenza Virion. Biophysical Journal, 2015, 108, 31a. | 0.5 | 0 |
| 63 | Nothing to Sneeze At: A Dynamic and Integrative Computational Model of an Influenza A Virion. Structure, 2015, 23, 584-597. | 3.3 | 90 |
| 64 | Three-dimensional representations of complex carbohydrates and polysaccharides--SweetUnityMol: A video game-based computer graphic software. Glycobiology, 2015, 25, 483-491. | 2.5 | 50 |
| 65 | UnityMol: Interactive scientific visualization for integrative biology. , 2014, , . | | 20 |
| 66 | Multiscale Simulations Give Insight into the Hydrogen In and Out Pathways of [NiFe]-Hydrogenases from <i>Aquifex aeolicus</i> and <i>Desulfovibrio fructosovorans</i> . Journal of Physical Chemistry B, 2014, 118, 13800-13811. | 2.6 | 26 |
| 67 | Probing Pentameric Ligand-Gated Ion Channels with Bromoform Reveals Many Interconnected Anesthetic Binding Sites. Biophysical Journal, 2014, 106, 342a. | 0.5 | 0 |
| 68 | Innovative interactive flexible docking method for multi-scale reconstruction elucidates dystrophin molecular assembly. Faraday Discussions, 2014, 169, 45-62. | 3.2 | 19 |
| 69 | The OPEP protein model: from single molecules, amyloid formation, crowding and hydrodynamics to DNA/RNA systems. Chemical Society Reviews, 2014, 43, 4871-4893. | 38.1 | 147 |
| 70 | ExaViz: a flexible framework to analyse, steer and interact with molecular dynamics simulations. Faraday Discussions, 2014, 169, 119-142. | 3.2 | 11 |
| 71 | Molecular simulations and visualization: introduction and overview. Faraday Discussions, 2014, 169, 9-22. | 3.2 | 38 |
| 72 | Foundations of Biomolecular Simulations: A Critical Introduction to Homology Modeling, Molecular Dynamics Simulations, and Free Energy Calculations of Membrane Proteins. , 2014, , 347-392. | | 0 |

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| 73 | The weak, fluctuating, dipole moment of membrane-bound hydrogenase from Aquifex aeolicus accounts for its adaptability to charged electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11318-11322. | 2.8 | 31 |
| 74 | A Cooperative Mechanism of Clotrimazoles in P450 Revealed by the Dissociation Picture of Clotrimazole from P450. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 1218-1225. | 5.4 | 6 |
| 75 | The Dipolar Solvent Model and Its Applications to the Structural Analysis of Low-(SAXS) and High-(CRYSTALLOGRAPHY) Resolution X-Ray Data. <i>Biophysical Journal</i> , 2014, 106, 663a. | 0.5 | 0 |
| 76 | Game on, Science - How Video Game Technology may Help Biophysicists Tackle Visualization Challenges. <i>Biophysical Journal</i> , 2014, 106, 809a. | 0.5 | 0 |
| 77 | A Zoom on Membrane Fusion through Coarse-Grained, Atomistic and Hybrid Molecular Dynamics of SNARE Proteins. <i>Biophysical Journal</i> , 2013, 104, 32a. | 0.5 | 1 |
| 78 | Protein-Lipid Interactions in a Full-Scale Influenza a Virion: Insight into Flu Seasonality. <i>Biophysical Journal</i> , 2013, 104, 412a. | 0.5 | 0 |
| 79 | Study of the Interaction between General Anesthetics and a Bacterial Homologue to the Human Nicotinic Receptor. <i>Biophysical Journal</i> , 2013, 104, 623a. | 0.5 | 0 |
| 80 | Coarse-grain modelling of protein-protein interactions. <i>Current Opinion in Structural Biology</i> , 2013, 23, 878-886. | 5.7 | 124 |
| 81 | Structural basis for ion permeation mechanism in pentameric ligand-gated ion channels. <i>EMBO Journal</i> , 2013, 32, 728-741. | 7.8 | 140 |
| 82 | Molecular Modeling of Hydrogenase Enzymes for Biofuel Cell Design. <i>Biophysical Journal</i> , 2013, 104, 335a. | 0.5 | 0 |
| 83 | Structural Basis for Ion Permeation Mechanism in Pentameric Ligand-Gated Ion Channels. <i>Biophysical Journal</i> , 2013, 104, 67a. | 0.5 | 0 |
| 84 | Interactive Molecular Dynamics: Scaling up to Large Systems. <i>Procedia Computer Science</i> , 2013, 18, 20-29. | 2.0 | 40 |
| 85 | Understanding small biomolecule-biomaterial interactions: A review of fundamental theoretical and experimental approaches for biomolecule interactions with inorganic surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1210-1222. | 4.0 | 54 |
| 86 | Formation of Raft-Like Assemblies within Clusters of Influenza Hemagglutinin Observed by MD Simulations. <i>PLoS Computational Biology</i> , 2013, 9, e1003034. | 3.2 | 53 |
| 87 | Game On, Science - How Video Game Technology May Help Biologists Tackle Visualization Challenges. <i>PLoS ONE</i> , 2013, 8, e57990. | 2.5 | 242 |
| 88 | Modeling complex biological systems: From solution chemistry to membranes and channels. <i>Pure and Applied Chemistry</i> , 2012, 85, 1-13. | 1.9 | 15 |
| 89 | Mixing Atomistic and Coarse Grain Solvation Models for MD Simulations: Let WT4 Handle the Bulk. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3880-3894. | 5.3 | 43 |
| 90 | A locally closed conformation of a bacterial pentameric proton-gated ion channel. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 642-649. | 8.2 | 135 |

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| 91 | Advances in Human-Protein Interaction - Interactive and Immersive Molecular Simulations. , 2012, , . | | 23 |
| 92 | Conformational Dynamics in a Nicotinic Receptor Homologue Probed by Simulations. Biophysical Journal, 2011, 100, 272a. | 0.5 | 3 |
| 93 | Enzyme Closure and Nucleotide Binding Structurally Lock Guanylate Kinase. Biophysical Journal, 2011, 101, 1440-1449. | 0.5 | 16 |
| 94 | X-ray structures of general anaesthetics bound to a pentameric ligand-gated ion channel. Nature, 2011, 469, 428-431. | 27.8 | 407 |
| 95 | Electrostatically-driven fast association and perdeuteration allow detection of transferred cross-relaxation for G protein-coupled receptor ligands with equilibrium dissociation constants in the high-to-low nanomolar range. Journal of Biomolecular NMR, 2011, 50, 191-195. | 2.8 | 21 |
| 96 | GPU-accelerated atom and dynamic bond visualization using hyperballs: A unified algorithm for balls, sticks, and hyperboloids. Journal of Computational Chemistry, 2011, 32, 2924-2935. | 3.3 | 55 |
| 97 | GPU-powered tools boost molecular visualization. Briefings in Bioinformatics, 2011, 12, 689-701. | 6.5 | 37 |
| 98 | Photocontrol of Protein Activity in Cultured Cells and Zebrafish with One- and Two-Photon Illumination. ChemBioChem, 2010, 11, 653-663. | 2.6 | 72 |
| 99 | Atomic structure and dynamics of pentameric ligand-gated ion channels: new insight from bacterial homologues. Journal of Physiology, 2010, 588, 565-572. | 2.9 | 102 |
| 100 | One-microsecond molecular dynamics simulation of channel gating in a nicotinic receptor homologue. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6275-6280. | 7.1 | 159 |
| 101 | Modeling the early stage of DNA sequence recognition within RecA nucleoprotein filaments. Nucleic Acids Research, 2010, 38, 6313-6323. | 14.5 | 31 |
| 102 | How Cations Can Assist DNase I in DNA Binding and Hydrolysis. PLoS Computational Biology, 2010, 6, e1001000. | 3.2 | 60 |
| 103 | Functional Modes and Residue Flexibility Control the Anisotropic Response of Guanylate Kinase to Mechanical Stress. Biophysical Journal, 2010, 99, 3412-3419. | 0.5 | 22 |
| 104 | The Molecular Recognition Mechanism for Superoxide Dismutase Presequence Binding to the Mitochondrial Protein Import Receptor Tom20 from <i>Oryza sativa</i> Involves an LRSLA Motif. Journal of Physical Chemistry B, 2010, 114, 13839-13846. | 2.6 | 17 |
| 105 | Coarse-Grain Simulations of the SNARE Fusion Protein in its Membrane Environment Detect Long-Lived Conformational Substates. ChemPhysChem, 2009, 10, 1548-1552. | 2.1 | 30 |
| 106 | Complex molecular assemblies at hand via interactive simulations. Journal of Computational Chemistry, 2009, 30, 2375-2387. | 3.3 | 39 |
| 107 | X-ray structure of a pentameric ligand-gated ion channel in an apparently open conformation. Nature, 2009, 457, 111-114. | 27.8 | 644 |
| 108 | MULTI-RESOLUTION APPROACH FOR INTERACTIVELY LOCATING FUNCTIONALLY LINKED ION BINDING SITES BY STEERING SMALL MOLECULES INTO ELECTROSTATIC POTENTIAL MAPS USING A HAPTIC DEVICE. , 2009, , 205-215. | | 4 |

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| 109 | Outer membrane proteins: comparing X-ray and NMR structures by MD simulations in lipid bilayers. European Biophysics Journal, 2008, 37, 131-141. | 2.2 | 22 |
| 110 | Microseconds Dynamics Simulations of the Outer-Membrane Protease T. Biophysical Journal, 2008, 94, 71-78. | 0.5 | 43 |
| 111 | Interactions between Neuronal Fusion Proteins Explored by Molecular Dynamics. Biophysical Journal, 2008, 94, 3436-3446. | 0.5 | 26 |
| 112 | A VR framework for interacting with molecular simulations. , 2008, , . | | 13 |
| 113 | Three hydrolases and a transferase: Comparative analysis of active-site dynamics via the BioSimGrid database. Journal of Molecular Graphics and Modelling, 2007, 25, 896-902. | 2.4 | 7 |
| 114 | Membrane protein structure quality in molecular dynamics simulation. Journal of Molecular Graphics and Modelling, 2005, 24, 157-165. | 2.4 | 58 |
| 115 | Conformational sampling and dynamics of membrane proteins from 10-nanosecond computer simulations. Proteins: Structure, Function and Bioinformatics, 2004, 57, 783-791. | 2.6 | 92 |
| 116 | OmpT: Molecular Dynamics Simulations of an Outer Membrane Enzyme. Biophysical Journal, 2004, 87, 2942-2953. | 0.5 | 49 |
| 117 | Extending the Structure of an ABC Transporter to Atomic Resolution: Modeling and Simulation Studies of MsbA. Biochemistry, 2003, 42, 3666-3673. | 2.5 | 56 |
| 118 | A Molecular Dynamics Investigation of Mono and Dimeric States of the Outer Membrane Enzyme OMPLA. Journal of Molecular Biology, 2003, 331, 177-189. | 4.2 | 42 |
| 119 | Theoretical Studies on Lanthanide Cation Extraction by Picolinamides: Ligand-Cation Interactions and Interfacial Behavior. Solvent Extraction and Ion Exchange, 2003, 21, 199-220. | 2.0 | 15 |
| 120 | Molecular Dynamics Study of the Uranyl Extraction by Tri-n-butylphosphate (TBP): Demixing of Water/Oil/TBP Solutions with a Comparison of Supercritical CO ₂ and Chloroform. Journal of Physical Chemistry B, 2002, 106, 434-441. | 2.6 | 80 |
| 121 | The chloroform / TBP / aqueous nitric acid interfacial system: a molecular dynamics investigation. Journal of Molecular Liquids, 2001, 90, 1-9. | 4.9 | 34 |
| 122 | TBP at the Water/Oil Interface: The Effect of TBP Concentration and Water Acidity Investigated by Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2001, 105, 11131-11141. | 2.6 | 122 |
| 123 | Lanthanide cation binding to a phosphoryl-calix[4]arene: the importance of solvent and counterions investigated by molecular dynamics and quantum mechanical simulations. Physical Chemistry Chemical Physics, 2001, 3, 1317-1325. | 2.8 | 31 |
| 124 | Calix[4]arenes as Selective Extracting Agents. An NMR Dynamic and Conformational Investigation of the Lanthanide(III) and Thorium(IV) Complexes. Inorganic Chemistry, 2000, 39, 2033-2041. | 4.0 | 47 |
| 125 | M ³⁺ -Lanthanide Cation Solvation by Acetonitrile: The Role of Cation Size, Counterions, and Polarization Effects Investigated by Molecular Dynamics and Quantum Mechanical Simulations. Journal of Physical Chemistry A, 2000, 104, 7659-7671. | 2.5 | 69 |
| 126 | Cation coordination by calix[4]arenes bearing amide and/or phosphine oxide pendant groups: how many arms are needed to bind Li ⁺ vs. Na ⁺ ? A combined NMR and molecular dynamics study. Perkin Transactions II RSC, 2000, , 1315-1322. | 1.1 | 14 |

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| 127 | The never-ending quest to understand the shapes and motions of molecules. Biochemist, 0, , . | 0.5 | 0 |