

# Monica H Lamm

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,428  
citations

331670

21  
h-index

315739

38  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sampling Performance of Multiple Independent Molecular Dynamics Simulations of an RNA Aptamer. ACS Omega, 2020, 5, 20187-20201.	3.5	10
2	Common Secondary and Tertiary Structural Features of Aptamer-Ligand Interaction Shared by RNA Aptamers with Different Primary Sequences. Molecules, 2019, 24, 4535.	3.8	6
3	Pre-engineering Thinking and the Engineering Habits of Mind in Preschool Classroom. Early Childhood Education Journal, 2019, 47, 187-198.	2.7	25
4	Study strategies and beliefs about learning as a function of academic achievement and achievement goals. Memory, 2018, 26, 683-690.	1.7	69
5	Students' Use of Optional Online Reviews and Its Relationship to Summative Assessment Outcomes in Introductory Biology. CBE Life Sciences Education, 2017, 16, ar23.	2.3	18
6	Engineering Thinking in Prekindergarten Children: A Systematic Literature Review. Journal of Engineering Education, 2017, 106, 454-474.	3.0	25
7	Prequestions do not enhance the benefits of retrieval in a STEM classroom. Cognitive Research: Principles and Implications, 2017, 2, 42.	2.0	17
8	A Classroom Study on the Relationship Between Student Achievement and Retrieval-Enhanced Learning. Educational Psychology Review, 2016, 28, 353-375.	8.4	55
9	Measuring the Effectiveness of Team-Based Learning Outcomes in a Human Factors Course. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 337-341.	0.3	1
10	Estimating Error in Diffusion Coefficients Derived from Molecular Dynamics Simulations. Journal of Chemical Theory and Computation, 2015, 11, 4586-4592.	5.3	107
11	A coarse-graining approach for molecular simulation that retains the dynamics of the all-atom reference system by implementing hydrodynamic interactions. Journal of Chemical Physics, 2014, 141, 174107.	3.0	23
12	An adaptable pentaloop defines a robust neomycin-B RNA aptamer with conditional ligand-bound structures. Rna, 2014, 20, 815-824.	3.5	12
13	Ab Initio Study of Molecular Interactions in Cellulose. Journal of Physical Chemistry B, 2013, 117, 10430-10443.	2.6	22
14	Molecular dynamics simulations on the Tre1 G protein-coupled receptor: exploring the role of the arginine of the NRY motif in Tre1 structure. BMC Structural Biology, 2013, 13, 15.	2.3	6
15	Investigating the malleability of RNA aptamers. Methods, 2013, 63, 178-187.	3.8	14
16	Evaluation of coarse-grained mapping schemes for polysaccharide chains in cellulose. Journal of Chemical Physics, 2013, 138, 214108.	3.0	27
17	Multiscale Modeling for Host-Guest Chemistry of Dendrimers in Solution. Polymers, 2012, 4, 463-485.	4.5	14
18	Dendrimer-Encapsulated Fullerenol Soft-Condensed Nanoassembly. Journal of Physical Chemistry C, 2012, 116, 15775-15781.	3.1	16

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19	A coarse-grained model for $\beta$ -D-glucose based on force matching. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	10
20	A biophysical perspective of understanding nanoparticles at large. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7273.	2.8	63
21	Reintroducing explicit solvent to a solvent-free coarse-grained model. <i>Physical Review E</i> , 2011, 84, 025701.	2.1	5
22	Molecular dynamics simulation of fractal aggregate diffusion. <i>Physical Review E</i> , 2010, 82, 051402.	2.1	14
23	Fluorescence resonance energy transfer between phenanthrene and PAMAM dendrimers. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9285.	2.8	35
24	Cell Trafficking of Carbon Nanotubes Based on Fluorescence Detection. <i>Methods in Molecular Biology</i> , 2010, 625, 135-151.	0.9	13
25	Molecular dynamics simulation of mixed matrix nanocomposites containing polyimide and polyhedral oligomeric silsesquioxane (POSS). <i>Polymer</i> , 2009, 50, 1324-1332.	3.8	65
26	Computational and Experimental Analyses Converge to Reveal a Coherent Yet Malleable Aptamer Structure That Controls Chemical Reactivity. <i>Journal of the American Chemical Society</i> , 2009, 131, 14747-14755.	13.7	14
27	Coarse-Grained Intermolecular Potentials Derived From The Effective Fragment Potential: Application To Water, Benzene, And Carbon Tetrachloride. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2009, , 197-218.	0.6	3
28	Nanoparticle Ordering via Functionalized Block Copolymers in Solution. <i>ACS Nano</i> , 2008, 2, 1259-1265.	14.6	44
29	Computer Simulation of Architectural and Molecular Weight Effects on the Assembly of Amphiphilic Linear Dendritic Block Copolymers in Solution. <i>Langmuir</i> , 2008, 24, 3030-3036.	3.5	38
30	Modeling Styrene-Styrene Interactions. <i>Journal of Physical Chemistry A</i> , 2006, 110, 519-525.	2.5	36
31	Effect of Terminal Group Modification on the Solution Properties of Dendrimers: A Molecular Dynamics Simulation Study. <i>Macromolecules</i> , 2006, 39, 4247-4255.	4.8	34
32	Biomolecule-directed assembly of nanoscale building blocks studied via lattice Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 2004, 121, 3919-3929.	3.0	17
33	Effect of pressure on the complete phase behavior of binary mixtures. <i>AIChE Journal</i> , 2004, 50, 215-225.	3.6	13
34	Tethered Nano Building Blocks: Toward a Conceptual Framework for Nanoparticle Self-Assembly. <i>Nano Letters</i> , 2003, 3, 1341-1346.	9.1	311
35	Simulated Assembly of Nanostructured Organic/Inorganic Networks. <i>Nano Letters</i> , 2003, 3, 989-994.	9.1	69
36	Equilibria between solid, liquid, and vapor phases in binary Lennard-Jones mixtures. <i>Fluid Phase Equilibria</i> , 2002, 194-197, 197-206.	2.5	22

#	ARTICLE	IF	CITATIONS
37	Monte Carlo simulations of complete phase diagrams for binary Lennard-Jones mixtures. Fluid Phase Equilibria, 2001, 182, 37-46.	2.5	37
38	Molecular simulation of complete phase diagrams for binary mixtures. AIChE Journal, 2001, 47, 1664-1675.	3.6	37
39	Solid-liquid phase equilibrium for binary Lennard-Jones mixtures. Journal of Chemical Physics, 1999, 110, 11433-11444.	3.0	73
40	Team-Based Learning in Engineering Classrooms: Feedback Form and Content Adds Value to the Learning Experience. , 0, , .		8