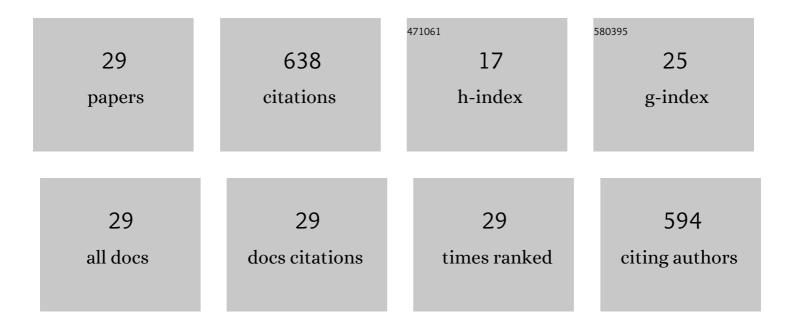
Daniel J Beltran-Villegas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Development of a New Coarse-Grained Model to Simulate Assembly of Cellulose Chains Due to Hydrogen Bonding. Journal of Chemical Theory and Computation, 2020, 16, 4599-4614.	2.3	14
2	Computational Reverse-Engineering Analysis for Scattering Experiments on Amphiphilic Block Polymer Solutions. Journal of the American Chemical Society, 2019, 141, 14916-14930.	6.6	24
3	Coarse-grained molecular dynamics simulations of α-1,3-glucan. Soft Matter, 2019, 15, 4669-4681.	1.2	13
4	Assembly of Amphiphilic Block Copolymers and Nanoparticles in Solution: Coarse-Grained Molecular Simulation Study. Journal of Chemical & Engineering Data, 2018, 63, 2351-2367.	1.0	27
5	Molecular dynamics simulations and PRISM theory study of solutions of nanoparticles and triblock copolymers with solvophobic end blocks. Molecular Systems Design and Engineering, 2018, 3, 453-472.	1.7	8
6	Shear-Induced Alignment of Janus Particle Lamellar Structures. Langmuir, 2018, 34, 1051-1060.	1.6	7
7	Janus particle rotator-to-lamellar nucleation and growth kinetics. Journal of Chemical Physics, 2017, 146, .	1.2	2
8	Phase diagram of Janus particles: The missing dimension of pressure anisotropy. Journal of Chemical Physics, 2017, 147, 064510.	1.2	2
9	PRISM Theory Study of Amphiphilic Block Copolymer Solutions with Varying Copolymer Sequence and Composition. Macromolecules, 2017, 50, 7419-7431.	2.2	25
10	Rotator-to-Lamellar Phase Transition in Janus Colloids Driven by Pressure Anisotropy. Physical Review Letters, 2016, 117, 128001.	2.9	11
11	Rich Janus colloid phase behavior under steady shear. Soft Matter, 2016, 12, 4071-4081.	1.2	35
12	Kinetic modeling and design of colloidal lock and key assembly. Journal of Colloid and Interface Science, 2016, 463, 242-257.	5.0	9
13	Binding kinetics of lock and key colloids. Journal of Chemical Physics, 2015, 142, 174909.	1.2	28
14	Optimal Design of a Colloidal Self-Assembly Process. IEEE Transactions on Control Systems Technology, 2014, 22, 1956-1963.	3.2	20
15	Phase behavior of Janus colloids determined by sedimentation equilibrium. Soft Matter, 2014, 10, 4593-4602.	1.2	37
16	Colloidal crystal grain boundary formation and motion. Scientific Reports, 2014, 4, 6132.	1.6	38
17	Anomalous Silica Colloid Stability and Gel Layer Mediated Interactions. Langmuir, 2013, 29, 8835-8844.	1.6	33
18	Self-Consistent Colloidal Energy and Diffusivity Landscapes in Macromolecular Solutions. Langmuir, 2013, 29, 12337-12341.	1.6	23

#	Article	IF	CITATIONS
19	Size dependent thermodynamics and kinetics in electric field mediated colloidal crystal assembly. Soft Matter, 2013, 9, 9208.	1.2	18
20	MDP based optimal control for a colloidal self-assembly system. , 2013, , .		4
21	Colloidal cluster crystallization dynamics. Journal of Chemical Physics, 2012, 137, 134901.	1.2	22
22	Free energy landscapes for colloidal crystal assembly. Soft Matter, 2011, 7, 3280.	1.2	32
23	A Smoluchowski model of crystallization dynamics of small colloidal clusters. Journal of Chemical Physics, 2011, 135, 154506.	1.2	23
24	Fokker–Planck analysis of separation dependent potentials and diffusion coefficients in simulated microscopy experiments. Journal of Chemical Physics, 2010, 132, 044707.	1.2	17
25	Charged Micelle Depletion Attraction and Interfacial Colloidal Phase Behavior. Langmuir, 2010, 26, 18710-18717.	1.6	36
26	Concentrated Diffusing Colloidal Probes of Ca ²⁺ -Dependent Cadherin Interactions. Langmuir, 2010, 26, 18976-18984.	1.6	14
27	PANI–LDPE composites: Effect of blending conditions. Polymer Composites, 2009, 30, 22-28.	2.3	8
28	Spatially controlled reversible colloidal self-assembly. Journal of Chemical Physics, 2009, 131, 134705.	1.2	45
29	Interfacial Colloidal Crystallization via Tunable Hydrogel Depletants. Langmuir, 2008, 24, 10776-10785.	1.6	63