

# Monica Olvera de la Cruz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

330  
papers

11,451  
citations

54  
h-index

91  
g-index

348  
ext. papers

12,778  
ext. citations

7.5  
avg, IF

6.74  
L-index

#	Paper	IF	Citations
330	Specific Ion Effects in Lanthanide-Amphiphile Structures at the Air-Water Interface and Their Implications for Selective Separation.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> , 14, 7504-7512	9.5	2
329	Polar state reversal in active fluids. <i>Nature Physics</i> , <b>2022</b> , 18, 154-159	16.2	1
328	Acid-Base Equilibrium and Dielectric Environment Regulate Charge in Supramolecular Nanofibers.. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 852164	5	2
327	Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals.. <i>Science</i> , <b>2022</b> , 375, 1422-1426	33.3	6
326	Functional enzyme-polymer complexes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2119509119	11.5	1
325	Origin of Proteolytic Stability of Peptide-Brush Polymers as Globular Proteomimetics.. <i>ACS Central Science</i> , <b>2021</b> , 7, 2063-2072	16.8	1
324	A Modeling-Based Design to Engineering Protein Hydrogels with Random Copolymers. <i>ACS Nano</i> , <b>2021</b> , 15, 16139-16148	16.7	5
323	Probing the size-dependent polarizability of mesoscopic ionic clusters and their induced-dipole interactions. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 194901	3.9	1
322	Chemically controlled pattern formation in self-oscillating elastic shells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	2
321	Computational and Experimental Approaches to Controlling Bacterial Microcompartment Assembly. <i>ACS Central Science</i> , <b>2021</b> , 7, 658-670	16.8	6
320	Heterogeneous Charged Complexes of Random Copolymers for the Segregation of Organic Molecules. <i>ACS Central Science</i> , <b>2021</b> , 7, 882-891	16.8	3
319	Quincke Oscillations of Colloids at Planar Electrodes. <i>Physical Review Letters</i> , <b>2021</b> , 126, 258001	7.4	4
318	Reverse order-disorder transition of Janus particles confined in two dimensions. <i>Physical Review E</i> , <b>2021</b> , 103, 062607	2.4	1
317	Delocalization Transition in Colloidal Crystals. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 1096-1106	3.8	1
316	Polycrystalline Covalent Organic Framework Films Act as Adsorbents, Not Membranes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1466-1473	16.4	36
315	A Perspective on the Design of Ion-Containing Polymers for Polymer Electrolyte Applications. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 3015-3022	3.4	4
314	Effect of Mechanical Properties on Multicomponent Shell Patterning. <i>ACS Nano</i> , <b>2021</b> , 15, 14804-14812	16.7	0

313	Pimples reduce and dimples enhance flat dielectric surface image repulsion. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 104703	3.9	1
312	Glass transition of ion-containing polymer melts in bulk and thin films. <i>Soft Matter</i> , <b>2021</b> , 17, 8420-8433	3.6	1
311	Fast and programmable locomotion of hydrogel-metal hybrids under light and magnetic fields. <i>Science Robotics</i> , <b>2020</b> , 5,	18.6	55
310	Sublattice melting in binary superionic colloidal crystals. <i>Physical Review E</i> , <b>2020</b> , 101, 032603	2.4	2
309	Assembly and Stability of Simian Virus 40 Polymorphs. <i>ACS Nano</i> , <b>2020</b> , 14, 4430-4443	16.7	4
308	Multicanonical Monte Carlo ensemble growth algorithm. <i>Physical Review E</i> , <b>2020</b> , 101, 021301	2.4	
307	Role of Chain Flexibility in Asymmetric Polyelectrolyte Complexation in Salt Solutions. <i>Macromolecules</i> , <b>2020</b> , 53, 1258-1269	5.5	14
306	Nonreciprocal interactions induced by water in confinement. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	11
305	Controlling protein adsorption modes electrostatically. <i>Soft Matter</i> , <b>2020</b> , 16, 5224-5232	3.6	7
304	Dynamics of a driven confined polyelectrolyte solution. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 184904	3.9	1
303	Single-chain heteropolymers transport protons selectively and rapidly. <i>Nature</i> , <b>2020</b> , 577, 216-220	50.4	28
302	Chromophore amphiphile-polyelectrolyte hybrid hydrogels for photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 158-168	13	17
301	DNA- and Field-Mediated Assembly of Magnetic Nanoparticles into High-Aspect Ratio Crystals. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906626	24	14
300	Control of Ionic Mobility via Charge Size Asymmetry in Random Ionomers. <i>Nano Letters</i> , <b>2020</b> , 20, 43-49	11.5	15
299	Homopolymer self-assembly of poly(propylene sulfone) hydrogels via dynamic noncovalent sulfone-sulfone bonding. <i>Nature Communications</i> , <b>2020</b> , 11, 4896	17.4	10
298	Insights into the Enhanced Catalytic Activity of Cytochrome c When Encapsulated in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18576-18582	16.4	32
297	Enhanced Binding of SARS-CoV-2 Spike Protein to Receptor by Distal Polybasic Cleavage Sites. <i>ACS Nano</i> , <b>2020</b> , 14, 10616-10623	16.7	54
296	Surface polarization effects in confined polyelectrolyte solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 19677-19684	11.5	9

295	Protein Surface Printer for Exploring Protein Domains. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 5255-5264	6.1	1
294	Charge regulation mechanism in end-tethered weak polyampholytes. <i>Soft Matter</i> , <b>2020</b> , 16, 8832-8847	3.6	7
293	Enzymatic Degradation of DNA Probed by X-ray Scattering. <i>ACS Nano</i> , <b>2019</b> , 13, 11382-11391	16.7	2
292	Water follows polar and nonpolar protein surface domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19274-19281	11.5	31
291	Actuation of magnetoelastic membranes in precessing magnetic fields. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 2500-2505	11.5	16
290	Hoobas: A highly object-oriented builder for molecular dynamics. <i>Computational Materials Science</i> , <b>2019</b> , 167, 25-33	3.2	15
289	Particle analogs of electrons in colloidal crystals. <i>Science</i> , <b>2019</b> , 364, 1174-1178	33.3	62
288	Receptor-Ligand Rebinding Kinetics in Confinement. <i>Biophysical Journal</i> , <b>2019</b> , 116, 1609-1624	2.9	5
287	Impact of charge switching stimuli on supramolecular perylene monoimide assemblies. <i>Chemical Science</i> , <b>2019</b> , 10, 5779-5786	9.4	14
286	"Mirror"-like Protein Dimers Stabilized by Local Heterogeneity at Protein Surfaces. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 3907-3915	3.4	6
285	Crystallizing protein assemblies via free and grafted linkers. <i>Soft Matter</i> , <b>2019</b> , 15, 4311-4319	3.6	
284	Incorporating surface polarization effects into large-scale coarse-grained Molecular Dynamics simulation. <i>Computer Physics Communications</i> , <b>2019</b> , 241, 80-91	4.2	13
283	Self-Assembly of Charge-Containing Copolymers at the Liquid-Liquid Interface. <i>ACS Central Science</i> , <b>2019</b> , 5, 688-699	16.8	27
282	Electrostatic Origin of Element Selectivity during Rare Earth Adsorption. <i>Physical Review Letters</i> , <b>2019</b> , 122, 058001	7.4	12
281	Manipulation of Confined Polyelectrolyte Conformations through Dielectric Mismatch. <i>ACS Nano</i> , <b>2019</b> , 13, 9298-9305	16.7	11
280	Crystalline membrane morphology beyond polyhedra. <i>Physical Review E</i> , <b>2019</b> , 100, 012610	2.4	1
279	Electrostatic shape control of a charged molecular membrane from ribbon to scroll. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 22030-22036	11.5	11
278	Determining the Regimes of Dielectric Mismatch and Ionic Correlation Effects in Ionomer Blends. <i>Macromolecules</i> , <b>2019</b> , 52, 535-546	5.5	9

277	The Importance of Salt-Enhanced Electrostatic Repulsion in Colloidal Crystal Engineering with DNA. <i>ACS Central Science</i> , <b>2019</b> , 5, 186-191	16.8	17
276	Controlled Symmetry Breaking in Colloidal Crystal Engineering with DNA. <i>ACS Nano</i> , <b>2019</b> , 13, 1412-1420	6.7	11
275	Effects of electrostatic interactions on ligand dissociation kinetics. <i>Physical Review E</i> , <b>2018</b> , 97, 022405	2.4	9
274	Ionic Correlations in Random Ionomers. <i>ACS Nano</i> , <b>2018</b> , 12, 2311-2318	16.7	29
273	Deformation of elastomeric pyramid pen arrays in cantilever-free scanning probe lithography. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 731-738	2.6	2
272	Kirigami nanofluidics. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 475-482	7.8	24
271	Photoactive Blend Morphology Engineering through Systematically Tuning Aggregation in All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702173	21.8	50
270	Random heteropolymers preserve protein function in foreign environments. <i>Science</i> , <b>2018</b> , 359, 1239-1243	25.3	126
269	Shape-Directed Microspinners Powered by Ultrasound. <i>ACS Nano</i> , <b>2018</b> , 12, 2939-2947	16.7	45
268	Defining the Structure of a Protein-Spherical Nucleic Acid Conjugate and Its Counterionic Cloud. <i>ACS Central Science</i> , <b>2018</b> , 4, 378-386	16.8	19
267	Thermodynamics of Associative Polymer Blends. <i>Macromolecules</i> , <b>2018</b> , 51, 5918-5932	5.5	12
266	High aspect ratio nanotubes assembled from macrocyclic iminium salts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8883-8888	11.5	21
265	Efficient encapsulation of proteins with random copolymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6578-6583	11.5	19
264	Covalent-supramolecular hybrid polymers as muscle-inspired anisotropic actuators. <i>Nature Communications</i> , <b>2018</b> , 9, 2395	17.4	80
263	Non-equilibrium anisotropic colloidal single crystal growth with DNA. <i>Nature Communications</i> , <b>2018</b> , 9, 4558	17.4	28
262	Asymmetric electrolytes near structured dielectric interfaces. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164701	3.9	10
261	Multiscale Modeling and Simulation of DNA-Programmable Nanoparticle Assembly <b>2018</b> , 257-275		
260	Anisotropic contraction of fiber-reinforced hydrogels. <i>Soft Matter</i> , <b>2018</b> , 14, 7731-7739	3.6	10

259	Flexible paramagnetic membranes in fast precessing fields. <i>Physical Review E</i> , <b>2018</b> , 98,	2.4	3
258	Modulating Nanoparticle Superlattice Structure Using Proteins with Tunable Bond Distributions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1754-1757	16.4	41
257	Electrostatic Control of Polymorphism in Charged Amphiphile Assemblies. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 1623-1628	3.4	27
256	Ion condensation onto self-assembled nanofibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 901-906	2.6	6
255	Solubility and interfacial segregation of salts in ternary polyelectrolyte blends. <i>Soft Matter</i> , <b>2017</b> , 13, 4830-4840	3.6	6
254	Water Dynamics from the Surface to the Interior of a Supramolecular Nanostructure. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8915-8921	16.4	43
253	Anomalous Phase Behavior of Ionic Polymer Blends and Ionic Copolymers. <i>Macromolecules</i> , <b>2017</b> , 50, 5194-5207	5.5	20
252	Ion Transport Mechanisms in Liquid-Liquid Interface. <i>Langmuir</i> , <b>2017</b> , 33, 6135-6142	4	38
251	Co-assembly of Peptide Amphiphiles and Lipids into Supramolecular Nanostructures Driven by Anion- $\pi$ Interactions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7823-7830	16.4	60
250	DNA-Driven Assembly: From Polyhedral Nanoparticles to Proteins. <i>Annual Review of Materials Research</i> , <b>2017</b> , 47, 33-49	12.8	12
249	Facilitated dissociation of transcription factors from single DNA binding sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E3251-E3257	11.5	41
248	Surface Polarization Effects on Ion-Containing Emulsions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 138002	7.4	14
247	Strong attractions and repulsions mediated by monovalent salts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 11838-11843	11.5	34
246	Demixing by a Nematic Mean Field: Coarse-Grained Simulations of Liquid Crystalline Polymers. <i>Polymers</i> , <b>2017</b> , 9,	4.5	16
245	Altering DNA-Programmable Colloidal Crystallization Paths by Modulating Particle Repulsion. <i>Nano Letters</i> , <b>2017</b> , 17, 5126-5132	11.5	27
244	Noncovalent Control of the Electrostatic Potential of Quantum Dots through the Formation of Interfacial Ion Pairs. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10126-10132	16.4	9
243	Contractile actuation and dynamical gel assembly of paramagnetic filaments in fast precessing fields. <i>Physical Review E</i> , <b>2017</b> , 95, 052606	2.4	14
242	Orbitals for classical arbitrary anisotropic colloidal potentials. <i>Physical Review E</i> , <b>2017</b> , 96, 053309	2.4	3

241	Paramagnetic filaments in a fast precessing field: Planar versus helical conformations. <i>Physical Review Materials</i> , <b>2017</b> , 1,	3.2	12
240	Controlling swelling/deswelling of stimuli-responsive hydrogel nanofilms in electric fields. <i>Soft Matter</i> , <b>2016</b> , 12, 8359-8366	3.6	15
239	Electrostatics-Driven Hierarchical Buckling of Charged Flexible Ribbons. <i>Physical Review Letters</i> , <b>2016</b> , 116, 148101	7.4	6
238	Ionic Conductivity in Polyelectrolyte Hydrogels. <i>Macromolecules</i> , <b>2016</b> , 49, 9239-9246	5.5	31
237	Interactions between Polyelectrolyte Gel Surfaces. <i>Macromolecules</i> , <b>2016</b> , 49, 9026-9034	5.5	10
236	Programming Colloidal Crystal Habit with Anisotropic Nanoparticle Building Blocks and DNA Bonds. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14562-14565	16.4	58
235	Control of Selective Ion Transfer across Liquid-Liquid Interfaces: A Rectifying Heterojunction Based on Immiscible Electrolytes. <i>ACS Central Science</i> , <b>2016</b> , 2, 857-866	16.8	5
234	Liquid Crystal Phase Transition in Epitaxial Monolayers of DNA-Functionalized Nanoparticle Superlattices. <i>ACS Nano</i> , <b>2016</b> , 10, 9948-9956	16.7	3
233	Ordered Self-Similar Patterns in Anisotropic Stochastic Growth. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 5960-5	3.4	1
232	Aggregation of Heterogeneously Charged Colloids. <i>ACS Nano</i> , <b>2016</b> , 10, 5909-15	16.7	36
231	Electrolyte-Mediated Assembly of Charged Nanoparticles. <i>ACS Central Science</i> , <b>2016</b> , 2, 219-24	16.8	25
230	Emergent perversions in the buckling of heterogeneous elastic strips. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 7100-5	11.5	19
229	Grand Challenges in Chemistry for 2016 and Beyond. <i>ACS Central Science</i> , <b>2016</b> , 2, 1-3	16.8	8
228	Aggregation of Heteropolyanions in Aqueous Solutions Exhibiting Short-Range Attractions and Long-Range Repulsions. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 1317-1327	3.8	32
227	Energy landscapes and functions of supramolecular systems. <i>Nature Materials</i> , <b>2016</b> , 15, 469-76	27	265
226	Self-Assembling Tripodal Small-Molecule Donors for Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3602-3611	3.8	20
225	Morphology-enhanced conductivity in dry ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6441-50	3.6	9
224	Vesicle Geometries Enabled by Dynamically Trapped States. <i>ACS Nano</i> , <b>2016</b> , 10, 2287-94	16.7	8

223	All-Polymer Solar Cell Performance Optimized via Systematic Molecular Weight Tuning of Both Donor and Acceptor Polymers. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1240-51	16.4	237
222	Mesoscale studies of ionic closed membranes with polyhedral geometries. <i>APL Materials</i> , <b>2016</b> , 4, 061102-7	3.7	2
221	Molecular dynamics simulation of DNA-directed assembly of nanoparticle superlattices using patterned templates. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1687-1692	2.6	3
220	The Lanthanide Contraction beyond Coordination Chemistry. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6899-904	4.8	28
219	Exploring the zone of anisotropy and broken symmetries in DNA-mediated nanoparticle crystallization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10485-90	11.5	41
218	Opportunities in theoretical and computational polymeric materials and soft matter. <i>Soft Matter</i> , <b>2015</b> , 11, 2326-32	3.6	24
217	DNA-Segment-Facilitated Dissociation of Fis and NHP6A from DNA Detected via Single-Molecule Mechanical Response. <i>Journal of Molecular Biology</i> , <b>2015</b> , 427, 3123-36	6.5	35
216	Entropy-Driven Crystallization Behavior in DNA-Mediated Nanoparticle Assembly. <i>Nano Letters</i> , <b>2015</b> , 15, 5545-51	11.5	27
215	Effective charges and virial pressure of concentrated macroion solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 9242-6	11.5	27
214	Coulomb energy of uniformly charged spheroidal shell systems. <i>Physical Review E</i> , <b>2015</b> , 91, 032305	2.4	11
213	Conformational order in aggregates of conjugated polymers. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6254-62	16.4	153
212	Energy Conversion in Polyelectrolyte Hydrogels. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 857-861	6.6	21
211	Theory of melt polyelectrolyte blends and block copolymers: phase behavior, surface tension, and microphase periodicity. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 034902	3.9	51
210	Theoretical Analysis of Multiple Phase Coexistence in Polyelectrolyte Blends. <i>Macromolecules</i> , <b>2015</b> , 48, 6008-6015	5.5	17
209	Self-replication with magnetic dipolar colloids. <i>Physical Review E</i> , <b>2015</b> , 92, 042305	2.4	8
208	Ionic structure in liquids confined by dielectric interfaces. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 194508-9	3.9	36
207	Surface energy fluctuation effects in single crystals of DNA-functionalized nanoparticles. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 243156	3.9	5
206	'Soft' amplifier circuits based on field-effect ionic transistors. <i>Soft Matter</i> , <b>2015</b> , 11, 4793-8	3.6	10



205	What controls the hybridization thermodynamics of spherical nucleic acids?. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3486-9	16.4	69
204	Molecular Origins of Mesoscale Ordering in a Metalloamphiphile Phase. <i>ACS Central Science</i> , <b>2015</b> , 1, 493-503	16.8	39
203	Polydispersity-driven topological defects as order-restoring excitations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5094-9	11.5	15
202	Self-replication in colloids with asymmetric interactions. <i>Soft Matter</i> , <b>2014</b> , 10, 1315-9	3.6	9
201	Ruled surface underlying KcsA potassium channels. <i>Soft Matter</i> , <b>2014</b> , 10, 540-3	3.6	1
200	DNA-mediated nanoparticle crystallization into Wulff polyhedra. <i>Nature</i> , <b>2014</b> , 505, 73-7	50.4	319
199	Non-monotonic swelling of surface grafted hydrogels induced by pH and/or salt concentration. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 124909	3.9	23
198	Metallic influence on the atomic structure and optical activity of ligand-protected nanoparticles: a comparison between Ag and Au. <i>Nanoscale</i> , <b>2014</b> , 6, 3325-34	7.7	13
197	Self-organized polyelectrolyte end-grafted layers under nanoconfinement. <i>ACS Nano</i> , <b>2014</b> , 8, 9998-10008	8.7	19
196	Electrostatics-driven shape transitions in soft shells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12673-8	11.5	22
195	Polarization effects of dielectric nanoparticles in aqueous charge-asymmetric electrolytes. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8854-62	3.4	24
194	How Hydrogen Bonds Affect the Growth of Reverse Micelles around Coordinating Metal Ions. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1440-4	6.4	54
193	Polyelectrolyte Blends and Nontrivial Behavior in Effective Flory-Huggins Parameters.. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 698-702	6.6	43
192	Mesoscale molecular network formation in amorphous organic materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10055-60	11.5	66
191	Long-range ordering of highly charged self-assembled nanofilaments. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14377-80	16.4	25
190	Electrostatic control of block copolymer morphology. <i>Nature Materials</i> , <b>2014</b> , 13, 694-8	27	195
189	Accelerated self-replication under non-equilibrium, periodic energy delivery. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 173-7	16.4	7
188	Equilibrium adsorption of hexahistidine on pH-responsive hydrogel nanofilms. <i>Langmuir</i> , <b>2014</b> , 30, 15335-44	14	13

187	Dynamics of vacancies in two-dimensional Lennard-Jones crystals. <i>Physical Review E</i> , <b>2014</b> , 90, 062318	2.4	7
186	Excluded volume and ion-ion correlation effects on the ionic atmosphere around B-DNA: theory, simulations, and experiments. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 225103	3.9	22
185	Multiple-binding-site mechanism explains concentration-dependent unbinding rates of DNA-binding proteins. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 3783-91	20.1	44
184	Packing of charged chains on toroidal geometries. <i>Physical Review E</i> , <b>2013</b> , 87, 012603	2.4	6
183	Thermodynamic Analysis of Multiply Twinned Particles: Surface Stress Effects. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3089-3094	6.4	31
182	Controlling Orientational Order in 1-D Assemblies of Multivalent Triangular Prisms. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 203-8	6.4	11
181	An exact method to obtain effective electrostatic interactions from computer simulations: the case of effective charge amplification. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 064709	3.9	22
180	Driving Force for Water Permeation Across Lipid Membranes. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3233-3237	6.4	29
179	Non-equilibrium ionic assemblies of oppositely charged nanoparticles. <i>Soft Matter</i> , <b>2013</b> , 9, 5042	3.6	25
178	Ion Correlation-Induced Phase Separation in Polyelectrolyte Blends.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 1042-1046	3.6	41
177	Counterion distribution surrounding spherical nucleic acid-Au nanoparticle conjugates probed by small-angle x-ray scattering. <i>ACS Nano</i> , <b>2013</b> , 7, 11301-9	16.7	20
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16	Equilibrium domain spacing in weakly segregated block copolymers. <i>Macromolecules</i> , <b>1991</b> , 24, 3975-3976	5.5	22
15	Dynamics of DNA during pulsed-field gel electrophoresis. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2324-2327	7.4	18
14	Model for micelle formation in copolymer/homopolymer blends. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 8284-8293	3.9	12
13	Strain effects on the thermal stability of rod eutectics. <i>Acta Metallurgica</i> , <b>1989</b> , 37, 615-620		7
12	Dynamics of gel electrophoresis. <i>Macromolecules</i> , <b>1989</b> , 22, 1351-1355	5.5	50
11	Theory of microphase separation in block copolymer solutions. <i>Journal of Chemical Physics</i> , <b>1989</b> , 90, 1995-2002	3.9	65
10	Microphase separation in multiblock copolymer melts. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 7228-7235	3.9	156
9	Microphase Separation in Triblock Copolymer Melts. <i>Materials Research Society Symposia Proceedings</i> , <b>1989</b> , 175, 345		2
8	Aggregation in Block Copolymer Solutions. <i>Materials Research Society Symposia Proceedings</i> , <b>1989</b> , 177, 53		

7	Cylindrical versus spherical micelle formation in block copolymer/homopolymer blends. <i>Macromolecules</i> , <b>1988</b> , 21, 2543-2547	5.5	44
6	Concentration fluctuations in polymer blend thermodynamics. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 1704-1708	3.9	60
5	Microphase separation in block copolymer/homopolymer blends. <i>Macromolecules</i> , <b>1987</b> , 20, 440-443	5.5	16
4	Electrophoresis in strong fields. <i>Physical Review A</i> , <b>1986</b> , 33, 2047-2055	2.6	49
3	Theory of microphase separation in graft and star copolymers. <i>Macromolecules</i> , <b>1986</b> , 19, 2501-2508	5.5	233
2	The Distal Polybasic Cleavage Sites of SARS-CoV-2 Spike Protein Enhance Spike Protein-ACE2 Binding		2
1	Heterochromatin flexibility contributes to chromosome segregation in the cell nucleus		1