

# Costas Vlahos

## List of Publications by Year in descending order

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20  
papers

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1040056

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docs citations

20  
times ranked

184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brownian Dynamics Simulations on the Self-Assembly Behavior of AB Hybrid Dendritic Star Copolymers. <i>Langmuir</i> , 2011, 27, 835-842.	3.5	31
2	Dendritic Brushes under Good Solvent Conditions: A Simulation Study. <i>Langmuir</i> , 2012, 28, 17176-17185.	3.5	30
3	Brownian Dynamics Simulations on Self-Assembly Behavior of H-Shaped Copolymers and Terpolymers.. <i>Macromolecules</i> , 2010, 43, 6903-6911.	4.8	16
4	Effective Interaction Parameters of Star/Star, Ring/Ring, and Ring/Linear Chemically Identical Blends. <i>Macromolecules</i> , 2004, 37, 9184-9190.	4.8	15
5	On the miscibility of chemically identical linear homopolymers of different size. <i>Polymer</i> , 2003, 44, 503-507.	3.8	12
6	Dendritic brushes under theta and poor solvent conditions. <i>Journal of Chemical Physics</i> , 2013, 139, 044913.	3.0	12
7	Micellization Properties of $\hat{\Gamma}$ -Shaped, Figure-Eight-Shaped and Linked Rings Copolymers. <i>Macromolecules</i> , 2014, 47, 5851-5859.	4.8	12
8	Theoretical Study on the Size and the Shape of Linear Dendronized Polymers in Good and Selective Solvents. <i>Macromolecules</i> , 2009, 42, 1362-1369.	4.8	11
9	Conformational Properties of Dendritic Homopolymers with Interacting Branching Points. <i>Macromolecules</i> , 2007, 40, 9164-9173.	4.8	10
10	Molecular dynamics simulation of brushes formed by star polyelectrolytes under theta solvent conditions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1110-1117.	2.1	10
11	Off lattice Monte Carlo simulations of AB hybrid dendritic star copolymers. <i>Polymer</i> , 2009, 50, 328-335.	3.8	8
12	Complexation of Polyelectrolyte Micelles with Oppositely Charged Linear Chains. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1982-1991.	2.6	8
13	Polyelectrolyte micelles in salt-free solutions: Micelle size and electrostatic potential. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 924-934.	2.1	8
14	Self-Assembly Behavior of Thermoresponsive Bis-Solvophilic Linear Block Terpolymers: A Simulation Study. <i>Macromolecules</i> , 2012, 45, 2570-2579.	4.8	7
15	Mixed brushes consisting of oppositely charged Y-shaped polymers in salt free, monovalent, and divalent salt solutions. <i>Journal of Polymer Science</i> , 2020, 58, 1757-1770.	3.8	4
16	Micellization through complexation of oppositely charged diblock copolymers: Effects of composition, polymer architecture, salt of different valency, and thermoresponsive block. <i>Journal of Polymer Science</i> , 2021, 59, 191-204.	3.8	4
17	Entropic effects in mixed micelles formed by star/linear and star/star AB copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 442-452.	2.1	3
18	Directed motion of a polyelectrolyte micelle along tethered chains of oppositely charged polyelectrolyte brush. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 621-631.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Entropic effects, shape, and size of mixed micelles formed by copolymers with complex architectures. Physical Review E, 2015, 92, 052601.	2.1	2
20	Complexation of a Polyelectrolyte Brush with Oppositely Charged AB Diblock Copolymers: The Zipper Brushes. Macromolecular Theory and Simulations, 0, , 2200011.	1.4	0