

Ashok K Dasmahapatra

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Destabilization of A β fibrils by omega-3 polyunsaturated fatty acids: a molecular dynamics study. Journal of Biomolecular Structure and Dynamics, 2023, 41, 581-598.	2.0	8
2	Graphene Supercapacitor Electrode of Liquid Hydrocarbons using CVD Process. , 2022, , .		1
3	Effect of aging on the microstructure and physical properties of Poly(vinyl alcohol) hydrogel. Journal of Polymer Research, 2021, 28, 1.	1.2	10
4	Destabilization of the Alzheimer's amyloid- β protofibrils by THC: A molecular dynamics simulation study. Journal of Molecular Graphics and Modelling, 2021, 105, 107889.	1.3	8
5	Enhancing the binding of the β -sheet breaker peptide LPFFD to the amyloid- β fibrils by aromatic modifications: A molecular dynamics simulation study. Computational Biology and Chemistry, 2021, 92, 107471.	1.1	12
6	Hierarchical PANI-RGO-ZnO ternary nanocomposites for symmetric tandem supercapacitor. Journal of Physical and Chemistry of Solids, 2021, 154, 110081.	1.9	44
7	Functional liquid droplets for analyte sensing and energy harvesting. Advances in Colloid and Interface Science, 2021, 294, 102453.	7.0	6
8	Destabilization of the Alzheimer's amyloid- β peptide by a proline-rich β -sheet breaker peptide: a molecular dynamics simulation study. Journal of Molecular Modeling, 2021, 27, 356.	0.8	8
9	Self-Organized Liquid Crystal Droplets as Phototunable Softmasks. ACS Applied Materials & Interfaces, 2021, 13, 60697-60712.	4.0	1
10	Hierarchical Nylon-6/reduced graphene oxide/polyaniline nanocomposites with enhanced dielectric properties for energy storage applications. Journal of Energy Storage, 2020, 32, 101821.	3.9	30
11	Destabilization potential of phenolics on A β fibrils: mechanistic insights from molecular dynamics simulation. Physical Chemistry Chemical Physics, 2020, 22, 19643-19658.	1.3	25
12	Self-organized spreading of droplets to fluid toroids. Journal of Colloid and Interface Science, 2020, 578, 738-748.	5.0	5
13	Microdroplet photofuel cells to harvest high-density energy and dye degradation. Nanoscale Advances, 2020, 2, 1613-1624.	2.2	4
14	Polyproline chains destabilize the Alzheimer's amyloid- β protofibrils: A molecular dynamics simulation study. Journal of Molecular Graphics and Modelling, 2019, 93, 107456.	1.3	17
15	Heterostructured Layer Growth of Polyaniline by Vacuum Thermal Evaporation and Fabrication of Thin-Film Capacitors. Journal of Physical Chemistry C, 2019, 123, 27959-27968.	1.5	15
16	Graphene based PANI/MnO ₂ nanocomposites with enhanced dielectric properties for high energy density materials. Carbon, 2019, 150, 179-190.	5.4	60
17	Mixed Surfactant-Mediated Synthesis of Hierarchical PANI Nanorods for an Enzymatic Glucose Biosensor. ACS Applied Polymer Materials, 2019, 1, 647-656.	2.0	28
18	Cover Image: Crystallization of double crystalline diblock copolymer from microphase separated melt. Polymer Crystallization, 2019, 2, e10123.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Crystallization of double crystalline diblock copolymer from microphase separated melt. <i>Polymer Crystallization</i> , 2019, 2, e10089.	0.5	3
20	Caffeine destabilizes preformed A β 2 protofilaments: insights from all atom molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22067-22080.	1.3	30
21	Self-Organized Large-Scale Integration of Mesoscale-Ordered Heterojunctions for Process-Intensified Photovoltaics. <i>Physical Review Applied</i> , 2018, 10, .	1.5	14
22	Synthesis of polyaniline/graphene/MoS2 nanocomposite for high performance supercapacitor electrode. <i>Polymer</i> , 2018, 150, 150-158.	1.8	89
23	Effect of Composition Asymmetry on the Phase Separation and Crystallization in Double Crystalline Binary Polymer Blends: A Dynamic Monte Carlo Simulation Study. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5853-5866.	1.2	2
24	Prediction of oil-water flow patterns, radial distribution of volume fraction, pressure and velocity during separated flows in horizontal pipe. <i>Journal of Hydrodynamics</i> , 2016, 28, 658-668.	1.3	20
25	Multi-scale molecular dynamics study of cholera pentamer binding to a GM1-phospholipid membrane. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 68, 236-251.	1.3	15
26	Magnetic field induced push-pull motility of liquibots. <i>RSC Advances</i> , 2016, 6, 107049-107056.	1.7	8
27	Phase separation and crystallization in double crystalline symmetric binary polymer blends. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	4
28	Crystallization of Double Crystalline Diblock Copolymer by Dynamic Monte Carlo Simulation. <i>Macromolecular Symposia</i> , 2015, 354, 314-323.	0.4	1
29	Collapse Transition of Branched Polymers in Dilute Solutions: Telechelic Star vs. H-Polymer. <i>Macromolecular Symposia</i> , 2015, 354, 207-220.	0.4	0
30	An appraisal of viscous oil-water two-phase flow through an undulated pipeline in peak configuration. <i>Experimental Thermal and Fluid Science</i> , 2015, 68, 177-186.	1.5	3
31	Graphene based multifunctional superbots. <i>Carbon</i> , 2015, 89, 31-40.	5.4	44
32	Coarse-grain molecular dynamics study of fullerene transport across a cell membrane. <i>Journal of Chemical Physics</i> , 2015, 143, 024907.	1.2	18
33	Correlations for Prediction of Pressure Gradient of Liquid-Liquid Flow Through a Circular Horizontal Pipe. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014, 136, .	0.8	13
34	Effect of block asymmetry on the crystallization of double crystalline diblock copolymers. <i>Journal of Chemical Physics</i> , 2014, 141, 044902.	1.2	8
35	Conformational transition of H-shaped branched polymers. <i>Journal of Chemical Physics</i> , 2014, 140, 094904.	1.2	2
36	Crystallization of double crystalline symmetric diblock copolymers. <i>Polymer</i> , 2014, 55, 958-969.	1.8	13

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37	Conformational transition of telechelic star polymers. <i>Polymer</i> , 2013, 54, 2392-2400.	1.8	4
38	Experimental Studies and Probabilistic Neural Network Prediction on Flow Pattern of Viscous Oilâ€“Water Flow through a Circular Horizontal Pipe. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7975-7985.	1.8	17
39	Polymer crystallization in the presence of â€œstickyâ€•additives. <i>Journal of Chemical Physics</i> , 2009, 131, 074905.	1.2	15
40	Pathway to copolymer collapse in dilute solution: Uniform versus random distribution of comonomers. <i>Journal of Chemical Physics</i> , 2007, 127, 234901.	1.2	15
41	Collapse Transition in Random Copolymer Solutions. <i>Macromolecules</i> , 2006, 39, 9621-9629.	2.2	15
42	Acoustic Wave Catalyzed Urea Detection Utilizing a Pulsatile Microdroplet Sensor. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	3.2	8