

Argyrios Karatrantos

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.

22
papers

575
citations

13
h-index

23
g-index

24
ext. papers

681
ext. citations

4.4
avg, IF

4.27
L-index

#	Paper	IF	Citations
22	Polymer Dynamics in Polymer-Nanoparticle Interface. <i>Springer Series in Materials Science</i> , 2021 , 81-100	0.9	1
21	Insights from modeling into structure, entanglements, and dynamics in attractive polymer nanocomposites. <i>Soft Matter</i> , 2021 , 17, 6362-6373	3.6	4
20	Diffusion of ions and solvent in propylene carbonate solutions for lithium-ion battery applications. <i>Journal of Molecular Liquids</i> , 2020 , 320, 114351	6	7
19	Polymer Conformations, Entanglements and Dynamics in Ionic Nanocomposites: A Molecular Dynamics Study. <i>Polymers</i> , 2020 , 12,	4.5	1
18	The effect of different organic solvents and anion salts on sodium ion storage in cylindrical carbon nanopores. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22722-22731	3.6	7
17	Modeling of Entangled Polymer Diffusion in Melts and Nanocomposites: A Review. <i>Polymers</i> , 2019 , 11,	4.5	22
16	Nanorod Diffusion in Polymer Nanocomposites by Molecular Dynamics Simulations. <i>Macromolecules</i> , 2019 , 52, 2513-2520	5.5	20
15	The effect of different organic solvents on sodium ion storage in carbon nanopores. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6307-6315	3.6	14
14	Miscibility and Nanoparticle Diffusion in Ionic Nanocomposites. <i>Polymers</i> , 2018 , 10,	4.5	9
13	A micromechanics approach for the effective thermal conductivity of composite materials with general linear imperfect interfaces. <i>Composite Structures</i> , 2018 , 200, 747-756	5.3	21
12	Polymer and spherical nanoparticle diffusion in nanocomposites. <i>Journal of Chemical Physics</i> , 2017 , 146, 203331	3.9	40
11	Modeling of Polymer Structure and Conformations in Polymer Nanocomposites from Atomistic to Mesoscale: A Review. <i>Polymer Reviews</i> , 2016 , 56, 385-428	14	97
10	Entanglements in polymer nanocomposites containing spherical nanoparticles. <i>Soft Matter</i> , 2016 , 12, 2567-74	3.6	52
9	Isotropic-nematic transition and dynamics of rigid charged molecules. <i>Chemical Physics Letters</i> , 2016 , 647, 89-94	2.5	4
8	Effects of pore size and surface charge on Na ion storage in carbon nanopores. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30761-30769	3.6	19
7	Polymer conformations in polymer nanocomposites containing spherical nanoparticles. <i>Soft Matter</i> , 2015 , 11, 382-8	3.6	62
6	Structure, dynamics and primitive path network of polymer nanocomposites containing spherical nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1619, 1		3

5	Topological entanglement length in polymer melts and nanocomposites by a DPD polymer model. <i>Soft Matter</i> , 2013 , 9, 3877	3.6	58
4	Entanglements and Dynamics of Polymer Melts near a SWCNT. <i>Macromolecules</i> , 2012 , 45, 7274-7281	5.5	45
3	A theoretical model for the prediction of diffusion in polymer/SWCNT nanocomposites. <i>Soft Matter</i> , 2011 , 7, 7334	3.6	15
2	Structure and Conformations of Polymer/SWCNT Nanocomposites. <i>Macromolecules</i> , 2011 , 44, 9830-9838	5.5	59
1	One-component plasma of point charges and of charged rods. <i>Physical Review E</i> , 2009 , 80, 061107	2.4	13