

Aleksandar Mehandzhiyski

List of Publications by Year in descending order

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18
papers

411
citations

840776

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839539

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all docs

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docs citations

18
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	PEDOT:PSS nano-particles in aqueous media: A comparative experimental and molecular dynamics study of particle size, morphology and z-potential. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 57-66.	9.4	36
2	A Combined Theoretical and Experimental Study of the Polymer Matrix-Mediated Stress Transfer in a Cellulose Nanocomposite. <i>Macromolecules</i> , 2021, 54, 3507-3516.	4.8	13
3	A Review of Cellulose Coarse-Grained Models and Their Applications. <i>Polysaccharides</i> , 2021, 2, 257-270.	4.8	8
4	Electronic, Optical, Morphological, Transport, and Electrochemical Properties of PEDOT: A Theoretical Perspective. <i>Macromolecules</i> , 2021, 54, 5915-5934.	4.8	24
5	Microscopic Insight to Nonlinear Voltage Dependence of Charge in Carbon-Ionic Liquid Supercapacitors. <i>Energy Material Advances</i> , 2021, 2021, .	11.0	7
6	Microscopic Understanding of the Granular Structure and the Swelling of PEDOT:PSS. <i>Macromolecules</i> , 2020, 53, 6267-6278.	4.8	63
7	New Patchy Particle Model with Anisotropic Patches for Molecular Dynamics Simulations: Application to a Coarse-Grained Model of Cellulose Nanocrystal. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3699-3711.	5.3	13
8	A novel supra coarse-grained model for cellulose. <i>Cellulose</i> , 2020, 27, 4221-4234.	4.9	26
9	Computational Microscopy of PEDOT:PSS/Cellulose Composite Paper. <i>ACS Applied Energy Materials</i> , 2019, 2, 3568-3577.	5.1	28
10	Computational insight on the chalcone formation mechanism by the Claisen-Schmidt reaction. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25365.	2.0	8
11	Selective Charging Behavior in an Ionic Mixture Electrolyte-Supercapacitor System for Higher Energy and Power. <i>Journal of the American Chemical Society</i> , 2017, 139, 18681-18687.	13.7	101
12	Coarse-Grained Interface Surfactant Density Maps for Calculation of the Fractional Conversion of Tetrameric Carboxylic Acids to Calcium Naphthenate Precipitates. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5090-5099.	3.7	2
13	Calculation of the probability for ionic association and dissociation reactions by molecular dynamics and umbrella sampling. <i>Molecular Physics</i> , 2016, 114, 1806-1812.	1.7	1
14	Original enzyme-catalyzed synthesis of chalcones: Utilization of hydrolase promiscuity. <i>Journal of the Serbian Chemical Society</i> , 2016, 81, 1231-1237.	0.8	3
15	Density Functional Theory Study on the Interactions of Metal Ions with Long Chain Deprotonated Carboxylic Acids. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10195-10203.	2.5	33
16	Ab Initio Molecular Dynamics Study on the Interactions between Carboxylate Ions and Metal Ions in Water. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10710-10719.	2.6	28
17	Aggregates of poly-functional amphiphilic molecules in water and oil phases. <i>Colloid Journal</i> , 2014, 76, 564-575.	1.3	5
18	Structure and Orientation of Tetracarboxylic Acids at Oil-Water Interfaces. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1018-1030.	2.4	12