

# Milana Trifkovic

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,635  
citations

331259

21  
h-index

301761

39  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the effect of enzymatic polymerized polysaccharide particle morphology on emulsion properties. <i>Carbohydrate Polymers</i> , 2021, 251, 117112.	5.1	9
2	Mixed-acid intercalation for synthesis of a high conductivity electrochemically exfoliated graphene. <i>Carbon</i> , 2021, 171, 130-141.	5.4	19
3	A facile and economical configuration for continuous generation and separation of oil in water emulsions. <i>Separation and Purification Technology</i> , 2021, 256, 117849.	3.9	14
4	pH-Dependent Morphology Control of Cellulose Nanofiber/Graphene Oxide Cryogels. <i>Small</i> , 2021, 17, e2005564.	5.2	20
5	Controlling structure of materials derived from spinodally decomposing liquids. <i>Physics of Fluids</i> , 2021, 33, 032020.	1.6	3
6	Surface Functionalization-Induced Effects on Nanoparticle Dispersion and Associated Changes in the Thermophysical Properties of Polymer Nanocomposites. <i>Macromolecules</i> , 2021, 54, 3962-3971.	2.2	5
7	Flocculation Efficiency and Spatial Distribution of Water in Oil Sands Tailings Flocculated with a Partially Hydrophobic Graft Copolymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43726-43733.	4.0	2
8	Synthesis of a high-temperature stable electrochemically exfoliated graphene. <i>Carbon</i> , 2020, 157, 681-692.	5.4	55
9	Microstructural Rearrangements and Their Rheological Signature in Coarsening of Cocontinuous Polymer Blends. <i>Macromolecules</i> , 2020, 53, 10918-10926.	2.2	6
10	A kelly criterion based optimal scheduling of a microgrid on a steam-assisted gravity drainage (SAGD) facility. <i>Energy</i> , 2020, 204, 117845.	4.5	1
11	An Institutional Self-Study of Text-Matching Software in a Canadian Graduate-Level Engineering Program. <i>Journal of Academic Ethics</i> , 2020, 18, 263-282.	1.5	8
12	Structural investigation of tailings flocculation and consolidation via quantitative 3D dual fluorescence/reflectance confocal microscopy. <i>Journal of Colloid and Interface Science</i> , 2020, 571, 194-204.	5.0	12
13	Microstructure evolution and transport properties of garnet-type Li <sub>6.5</sub> La <sub>2.5</sub> Ba <sub>0.5</sub> TaZrO <sub>12</sub> electrolyte for all-solid-state Li-ion batteries. <i>Applied Surface Science</i> , 2020, 510, 145399.	3.1	9
14	Optimal land use and distributed generation technology selection via geographic-based multicriteria decision analysis and mixed-integer programming. <i>Sustainable Cities and Society</i> , 2020, 55, 102055.	5.1	15
15	In situ monitoring of the morphology evolution of interfacially-formed conductive nanocomposite films and their use as strain sensors. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 305-314.	5.0	2
16	In-Operando Mapping of pH Distribution in Electrochemical Processes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16815-16819.	7.2	59
17	In-Operando Mapping of pH Distribution in Electrochemical Processes. <i>Angewandte Chemie</i> , 2019, 131, 16971-16975.	1.6	14
18	Bicontinuous IntrapHase Jammed Emulsion Gels: A New Soft Material Enabling Direct Isolation of Co-Continuous Hierarchical Porous Materials. <i>Chemistry of Materials</i> , 2019, 31, 7601-7607.	3.2	13

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19	Unraveling the Effect of 3D Particle Localization on Coarsening Dynamics and Rheological Properties in Cocontinuous Polymer Blend Nanocomposites. <i>Macromolecules</i> , 2019, 52, 7678-7687.	2.2	12
20	Integrated optimal design and scheduling for a bitumen upgrader facility. <i>Computers and Chemical Engineering</i> , 2019, 128, 77-87.	2.0	0
21	Fabrication of a Dendrite-Free all Solid-State Li Metal Battery via Polymer Composite/Garnet/Polymer Composite Layered Electrolyte. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900186.	1.9	58
22	In-Situ Monitoring of Paraffin Wax Crystal Formation and Growth. <i>Crystal Growth and Design</i> , 2019, 19, 2830-2837.	1.4	22
23	Mechanical Properties of a Metal-Organic Framework formed by Covalent Cross-Linking of Metal-Organic Polyhedra. <i>Journal of the American Chemical Society</i> , 2019, 141, 1045-1053.	6.6	89
24	Real-time multivariable model predictive control for steam-assisted gravity drainage. <i>AIChE Journal</i> , 2018, 64, 3034-3041.	1.8	5
25	Analysis of network formation and long-term stability in silica nanoparticle stabilized emulsions. <i>Soft Matter</i> , 2018, 14, 4268-4277.	1.2	8
26	The Significance of Graphene Oxide-Polyacrylamide Interactions on the Stability and Microstructure of Oil-in-Water Emulsions. <i>Langmuir</i> , 2018, 34, 12870-12881.	1.6	20
27	Cellulose Nanocrystal Stabilized Emulsions for Conformance Control and Fluid Diversion in Porous Media. , 2018, , .		18
28	Fluorescent polycatecholamine nanostructures as a versatile probe for multiphase systems. <i>RSC Advances</i> , 2018, 8, 31967-31971.	1.7	9
29	Role of interparticle interactions on microstructural and rheological properties of cellulose nanocrystal stabilized emulsions. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 808-818.	5.0	76
30	Optimal scheduling of a microgrid in a volatile electricity market environment: Portfolio optimization approach. <i>Applied Energy</i> , 2018, 226, 703-712.	5.1	16
31	Significance of interfacial interaction and agglomerates on electrical properties of polymer-carbon nanotube nanocomposites. <i>Materials and Design</i> , 2017, 125, 126-134.	3.3	79
32	Tunable electrical conductivity of polystyrene/polyamide-6/carbon nanotube blend nanocomposites via control of morphology and nanofiller localization. <i>European Polymer Journal</i> , 2017, 95, 418-429.	2.6	47
33	Controlling the Morphology of Immiscible Cocontinuous Polymer Blends via Silica Nanoparticles Jammed at the Interface. <i>Macromolecules</i> , 2016, 49, 3911-3918.	2.2	85
34	Energy management of a microgrid via parametric programming. <i>IFAC-PapersOnLine</i> , 2016, 49, 272-277.	0.5	10
35	Operational scheduling of microgrids via parametric programming. <i>Applied Energy</i> , 2016, 180, 672-681.	5.1	36
36	Stabilization of Oil-in-Water Emulsions with Noninterfacially Adsorbed Particles. <i>Langmuir</i> , 2016, 32, 7109-7116.	1.6	46

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37	Immiscible blend morphology after shear and elongation. AIP Conference Proceedings, 2015, , .	0.3	1
38	Stabilization of PE/PEO Cocontinuous Blends by Interfacial Nanoclays. Macromolecules, 2015, 48, 4631-4644.	2.2	78
39	Policy effects on microgrid economics, technology selection, and environmental impact. Computers and Chemical Engineering, 2015, 81, 364-375.	2.0	40
40	Model-Predictive-Control (MPC) of Steam Trap Subcool in Steam-Assisted Gravity Drainage (SAGD). IFAC-PapersOnLine, 2015, 48, 539-544.	0.5	10
41	Nanoscale Optimization and Statistical Modeling of Photoelectrochemical Water Splitting Efficiency of N-Doped TiO <sub>2</sub> Nanotubes. Topics in Catalysis, 2015, 58, 114-122.	1.3	6
42	Poly(methyl methacrylate)/Graphene Oxide Nanocomposites by a Precipitation Polymerization Process and Their Dielectric and Rheological Characterization. Macromolecules, 2014, 47, 2149-2155.	2.2	79
43	Design of Combined Heat and Power Microgrids. Computer Aided Chemical Engineering, 2014, , 657-662.	0.3	3
44	Dynamic real-time optimization and control of a hybrid energy system. AIChE Journal, 2014, 60, 2546-2556.	1.8	34
45	Modeling and Control of a Renewable Hybrid Energy System With Hydrogen Storage. IEEE Transactions on Control Systems Technology, 2014, 22, 169-179.	3.2	159
46	Porous Films via PE/PEO Cocontinuous Blends. Macromolecules, 2012, 45, 6036-6044.	2.2	52
47	Hierarchical control of a renewable hybrid energy system. , 2012, , .		12
48	Model predictive control of a twin-screw extruder for thermoplastic vulcanizate (TPV) applications. Computers and Chemical Engineering, 2012, 36, 247-254.	2.0	11
49	Model identification of a twin screw extruder for thermoplastic vulcanizate (TPV) applications. Polymer Engineering and Science, 2010, 50, 1168-1177.	1.5	4
50	Multivariable real-time optimal control of a cooling and antisolvent semibatch crystallization process. AIChE Journal, 2009, 55, 2591-2602.	1.8	19
51	Determination of metastable zone width for combined anti-solvent/cooling crystallization. Journal of Crystal Growth, 2009, 311, 3640-3650.	0.7	37
52	Combining anti-solvent and cooling crystallization: Effect of solvent composition on yield and meta stable zone width. Chemical Engineering Science, 2009, 64, 3555-3563.	1.9	24
53	Adaptive MIMO neuro-fuzzy logic control of a seeded and an unseeded anti-solvent semi-batch crystallizer. Chemical Engineering Science, 2008, 63, 1261-1272.	1.9	23
54	Real-time optimal control of an anti-solvent isothermal semi-batch crystallization process. Chemical Engineering Science, 2008, 63, 829-839.	1.9	55

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55	Fuzzy logic and rigid control of a seeded semi-batch, anti-solvent, isothermal crystallizer. Chemical Engineering Science, 2008, 63, 991-1002.	1.9	10
56	Kinetics Estimation and Single and Multi-Objective Optimization of a Seeded, Anti-Solvent, Isothermal Batch Crystallizer. Industrial & Engineering Chemistry Research, 2008, 47, 1586-1595.	1.8	55
57	Polymorphic Generation through Solvent Selection: Ranitidine Hydrochloride. Organic Process Research and Development, 2007, 11, 138-143.	1.3	20