

Erno Karjalainen

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Imidazolium-Based Poly(ionic liquid)s as New Alternatives for CO ₂ Capture. <i>ChemSusChem</i> , 2013, 6, 1500-1509.	6.8	75
2	3D-Printable Photochromic Molecular Materials for Reversible Information Storage. <i>Advanced Materials</i> , 2018, 30, e1800159.	21.0	75
3	Diblock copolymers consisting of a polymerized ionic liquid and poly(N-isopropylacrylamide). Effects of PNIPAM block length and counter ion on self-assembling and thermal properties. <i>Polymer Chemistry</i> , 2013, 4, 1014-1024.	3.9	70
4	Influence of Hydrophobic Anion on Solution Properties of PDMAEMA. <i>Macromolecules</i> , 2014, 47, 2103-2111.	4.8	61
5	Counterion-Induced UCST for Polycations. <i>Macromolecules</i> , 2014, 47, 7581-7587.	4.8	60
6	Advanced reactor engineering with 3D printing for the continuous-flow synthesis of silver nanoparticles. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 129-136.	3.7	56
7	Redox-active organic-inorganic hybrid polyoxometalate micelles. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11577-11581.	10.3	41
8	Grafting of montmorillonite nano-clay with butyl acrylate and methyl methacrylate by atom transfer radical polymerization: Blends with poly(BuAA-co-MMA). <i>Journal of Polymer Science Part A</i> , 2009, 47, 3086-3097.	2.3	39
9	Mesoporous silica particles grafted with poly(ethyleneoxide-block-N-vinylcaprolactam). <i>Journal of Polymer Science Part A</i> , 2013, 51, 5012-5020.	2.3	33
10	Tunable Ionic Control of Polymeric Films for Inkjet Based 3D Printing. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3984-3991.	6.7	27
11	Upper or lower critical solution temperature, or both? Studies on cationic copolymers of N-isopropylacrylamide. <i>Polymer Chemistry</i> , 2015, 6, 3074-3082.	3.9	24
12	An enzymatic biomimetic system: enhancement of catalytic efficiency with new polymeric chiral ionic liquids synthesised by controlled radical polymerisation. <i>Polymer Chemistry</i> , 2014, 5, 1437-1446.	3.9	20
13	Phase Separation of Aqueous Poly(2-dimethylaminoethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (methacrylate-block) 10776-10784.	2.6	20
14	Complex interactions in aqueous PIL-PNIPAm-PIL triblock copolymer solutions. <i>Polymer</i> , 2015, 58, 180-188.	3.8	17
15	Surface initiated polymerization of a cationic monomer on inner surfaces of silica capillaries: Analyte separation by capillary electrophoresis versus polyelectrolyte behavior. <i>Journal of Separation Science</i> , 2013, 36, 1070-1077.	2.5	14
16	Polycation-PEG Block Copolymer Undergoes Stepwise Phase Separation in Aqueous Triflate Solution. <i>Macromolecules</i> , 2018, 51, 9681-9691.	4.8	14
17	Thermoresponsive behavior of poly[trialkyl-(4-vinylbenzyl)ammonium] based polyelectrolytes in aqueous salt solutions. <i>Polymer Chemistry</i> , 2020, 11, 5870-5883.	3.9	13
18	Decoupling manufacturing from application in additive manufactured antimicrobial materials. <i>Biomaterials Science</i> , 2021, 9, 5397-5406.	5.4	13

#	ARTICLE	IF	CITATIONS
19	Poly(2-propyl-2-oxazoline)s in Aqueous Methanol: To Dissolve or not to Dissolve. <i>Macromolecules</i> , 2019, 52, 6361-6368.	4.8	9
20	Water-Dispersible Silica-Polyelectrolyte Nanocomposites Prepared via Acid-Triggered Polycondensation of Silicic Acid and Directed by Polycations. <i>Polymers</i> , 2016, 8, 96.	4.5	7
21	Novel cationic polyelectrolyte coatings for capillary electrophoresis. <i>Electrophoresis</i> , 2016, 37, 363-371.	2.4	7
22	Stimuli-Responsive Nanodiamond-Polyelectrolyte Composite Films. <i>Polymers</i> , 2020, 12, 507.	4.5	7
23	Colloidal properties and gelation of aqueous dispersions of conductive poly(benzimidazobenzophenanthroline) derivatives. <i>Polymer</i> , 2013, 54, 694-701.	3.8	6
24	Phase Separation of Aqueous Poly(diisopropylaminoethyl methacrylate) upon Heating. <i>Langmuir</i> , 2022, 38, 5135-5148.	3.5	5
25	Thermally responsive particles of poly(benzimidazobenzophenanthroline) modified with poly(N-isopropylacrylamide). <i>Colloid and Polymer Science</i> , 2015, 293, 2957-2965.	2.1	4
26	Photochromic Materials: 3D-Printable Photochromic Molecular Materials for Reversible Information Storage (<i>Adv. Mater.</i> 26/2018). <i>Advanced Materials</i> , 2018, 30, 1870193.	21.0	2
27	CE and asymmetrical flow-field flow fractionation studies of polymer interactions with surfaces and solutes reveal conformation changes of polymers. <i>Journal of Separation Science</i> , 2020, 43, 2495-2505.	2.5	1