

# Jana Machotova

## List of Publications by Year in descending order

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26  
papers

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citations

933447

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Water sensitivity of fluorine-containing polyacrylate latex coatings: Effects of crosslinking and ambient drying conditions. <i>Progress in Organic Coatings</i> , 2018, 120, 266-273.	3.9	36
2	Characterization of molecular structure of acrylic copolymers prepared via emulsion polymerization using A4Fâ€MALS technique. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	27
3	Design of polymeric binders to improve the properties of magnesium phosphate cement. <i>Construction and Building Materials</i> , 2021, 290, 123202.	7.2	17
4	Water-Resistant Latex Coatings: Tuning of Properties by Polymerizable Surfactant, Covalent Crosslinking and Nanostructured ZnO Additive. <i>Coatings</i> , 2021, 11, 347.	2.6	16
5	Effect of molar mass on film-forming properties of self-crosslinking latexes based on structured acrylic microgels. <i>Progress in Organic Coatings</i> , 2016, 92, 23-28.	3.9	13
6	Ambient temperature self-crosslinking latices using low generation PAMAM dendrimers as inter-particle crosslinking agents. <i>Progress in Organic Coatings</i> , 2018, 119, 91-98.	3.9	12
7	High-performance one-pack ambient cross-linking latex binders containing low-generation PAMAM dendrimers and ZnO nanoparticles. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1167-1179.	2.5	11
8	Waterborne hygienic coatings based on self-crosslinking acrylic latex with embedded inorganic nanoparticles: a comparison of nanostructured ZnO and MgO as antibacterial additives. <i>Progress in Organic Coatings</i> , 2020, 147, 105704.	3.9	11
9	Environmentally Friendly Water-Based Self-Crosslinking Acrylate Dispersion Containing Magnesium Nanoparticles and Their Films Exhibiting Antimicrobial Properties. <i>Coatings</i> , 2020, 10, 340.	2.6	11
10	Self-crosslinking acrylic latexes with copolymerized flame retardant based on halogenophosphazene derivative. <i>Progress in Organic Coatings</i> , 2016, 101, 322-330.	3.9	10
11	Effect of Cyclotriphosphazene-Based Curing Agents on the Flame Resistance of Epoxy Resins. <i>Polymers</i> , 2021, 13, 8.	4.5	10
12	Property study of structured self-crosslinking acrylic latex binder: Effect of molar mass and particle design. <i>Progress in Organic Coatings</i> , 2017, 111, 258-266.	3.9	9
13	Waterborne Coating Binders Based on Self-Crosslinking Acrylic Latex with Embedded Inorganic Nanoparticles: A Comparison of Nanostructured ZnO and MgO as Crosslink Density Enhancing Agents. <i>Coatings</i> , 2020, 10, 339.	2.6	9
14	Fluorine containing selfâ€crosslinking acrylic latexes with reduced flammability and their application as polymer binders for heterogeneous cationâ€exchange membranes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45467.	2.6	7
15	Some properties of composites based on vulcanized liquid polybutadiene matrix and inorganic particulate fillers. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2277-2282.	2.6	4
16	Electrospinning of Styreneâ€Ethyl Acrylate Emulsion Copolymers: Exploring the Impact of Polymer Polarity and Glass Transition Temperature on Fiber Formation and Hydrophobicity. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 423-431.	1.9	4
17	Sulphur-vulcanized polybutadiene as a matrix in glass fiber-reinforced composite materials. <i>Journal of Applied Polymer Science</i> , 2011, 119, 3446-3452.	2.6	3
18	Functionalised Microgels for Acrylic Coatings. <i>Macromolecular Symposia</i> , 2009, 281, 197-205.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Epoxyâ€“Cyanate Ester Compositions as Matrixes for Tagging of Explosives. <i>Advances in Polymer Technology</i> , 2014, 33, .	1.7	2
20	Application of A4F-MALS for the Characterization of Polymers Prepared by Emulsion Polymerization: Comparison of the Molecular Structure of Styrene-Acrylate and Methyl Methacrylate-Acrylate Copolymers. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1365-1372.	1.9	2
21	Characterization of Molecular Structure of Emulsion Acrylic Microgels: Exploring the Impact of Molar Mass on Coating Properties of Self-Cross-Linkable Latexes. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1807-1818.	1.9	2
22	Synthesis and Application of Hexaallylamino- <i>cyclo</i> -triphosphazene as Flame Retardant in Latex Coatings. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 563-571.	1.9	2
23	Swelling of acrylic microgels in aliphatic ketones. <i>Progress in Organic Coatings</i> , 2008, 62, 71-78.	3.9	1
24	Rubber Modified Epoxy-Cyanate Ester Composites as Matrices for Tagging of Explosives. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1205-1214.	1.9	1
25	Investigation of the effect of molar mass on coating properties of self-crosslinking latexes based on acrylic microgels. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 1095-1108.	2.6	1
26	Determination of molar mass of structured acrylic microgels: effect of molar mass on coating properties of self-crosslinking latexes. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	1