

S Mojtaba Mirabedini

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,301
citations

159525

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149623

56
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74
all docs

74
docs citations

74
times ranked

3382
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Bio-based furan coatings: adhesion, mechanical and thermal properties. <i>Polymer Bulletin</i> , 2021, 78, 577-599. | 1.7 | 10 |
| 2 | A novel two-component self-healing coating comprising vinyl ester resin-filled microcapsules with prolonged anticorrosion performance. <i>Progress in Organic Coatings</i> , 2021, 154, 106220. | 1.9 | 12 |
| 3 | Enhancing thermoplastic road-marking paints performance using sustainable rosin ester. <i>Progress in Organic Coatings</i> , 2020, 139, 105454. | 1.9 | 16 |
| 4 | Self-healing polymeric coatings containing microcapsules filled with active materials. , 2020, , 235-258. | | 2 |
| 5 | Ionomers as self-healing materials. , 2020, , 279-291. | | 4 |
| 6 | Development of self-healing coatings based on urea-formaldehyde/polyurethane microcapsules containing epoxy resin. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49663. | 1.3 | 31 |
| 7 | Effect of Hydroxyl Value of Acrylic Resin on the Anti-graffiti Properties of Acrylic-PU Nanocoating. , 2020, , 316-319. | | 0 |
| 8 | Hardness and Chemorheological Properties of Chemically-Modified Polyfurfuryl Alcohol Resin. , 2020, , 247-250. | | 0 |
| 9 | Protection of Structural Buildings Against Dirt Adsorption: Photoactive Cements vs. Photoactive Coating. , 2020, , 174-177. | | 0 |
| 10 | Amino-silane surface modification of urea-formaldehyde microcapsules containing linseed oil for improved epoxy matrix compatibility. Part I: Optimizing silane treatment conditions. <i>Progress in Organic Coatings</i> , 2019, 136, 105242. | 1.9 | 18 |
| 11 | Microencapsulation of quinoline and cerium based inhibitors for smart coating application: Anti-corrosion, morphology and adhesion study. <i>Progress in Organic Coatings</i> , 2019, 137, 105339. | 1.9 | 24 |
| 12 | Curing of polyfurfuryl alcohol resin catalyzed by a homologous series of dicarboxylic acid catalysts. II. Swelling behavior and thermal properties. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45770. | 1.3 | 8 |
| 13 | Improving self-healing performance of polyurethane coatings using PU microcapsules containing bulky-IPDI-BA and nano-clay. <i>Progress in Organic Coatings</i> , 2018, 123, 350-361. | 1.9 | 60 |
| 14 | Evaluation of corrosion performance of a self-healing epoxy-based coating containing linseed oil-filled microcapsules via electrochemical impedance spectroscopy. <i>Progress in Organic Coatings</i> , 2017, 105, 212-224. | 1.9 | 110 |
| 15 | Polyurethane-based microcapsules containing reactive isocyanate compounds: Study on preparation procedure and solvent replacement. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 750-759. | 2.3 | 26 |
| 16 | Preparation of Microcapsules Containing Benzoyl Peroxide Initiator with Gelatin-Gum Arabic/Polyurea-Formaldehyde Shell and Evaluating Their Storage Stability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20818-20825. | 4.0 | 27 |
| 17 | Rheokinetics in curing process of polyfurfuryl alcohol: effect of homologous acid catalysts. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 281-293. | 1.3 | 9 |
| 18 | Durability and mechanical performance of a photo-catalytic water-based nanocomposite coating. <i>Progress in Organic Coatings</i> , 2017, 112, 254-262. | 1.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Composites and Nanocomposites of PU Polymers Filled with Natural Fibers and Their Nanofibers. , 2017, , 253-276. | | 3 |
| 20 | Nanocomposites of PU Polymers Filled With Spherical Fillers. , 2017, , 135-172. | | 2 |
| 21 | Effect of processing conditions on the microencapsulation of 1-methylimidazole curing agent using solid epoxy resins. Iranian Polymer Journal (English Edition), 2017, 26, 629-637. | 1.3 | 13 |
| 22 | Preparation of microcapsules containing multi-functional reactive isocyanate-terminated-polyurethane-prepolymer as healing agent, part II: corrosion performance and mechanical properties of a self healing coating. RSC Advances, 2016, 6, 50874-50886. | 1.7 | 32 |
| 23 | Microencapsulation of 1-methylimidazole using solid epoxy resin: study on microcapsule residence time and properties of the system. Iranian Polymer Journal (English Edition), 2016, 25, 385-394. | 1.3 | 10 |
| 24 | Curing of poly(furfuryl alcohol) resin catalyzed by a homologous series of dicarboxylic acid catalysts: Kinetics and pot life. Journal of Applied Polymer Science, 2016, 133, . | 1.3 | 13 |
| 25 | Photocatalytic activity and colloidal stability of various combinations of TiO ₂ /SiO ₂ nanocomposites. Journal of Materials Science, 2016, 51, 3219-3230. | 1.7 | 17 |
| 26 | Microcapsules containing multi-functional reactive isocyanate-terminated polyurethane prepolymer as a healing agent. Part 1: synthesis and optimization of reaction conditions. Journal of Materials Science, 2016, 51, 3056-3068. | 1.7 | 51 |
| 27 | Mechanical and self-healing properties of a water-based acrylic latex containing linseed oil filled microcapsules: Effect of pre-silanization of microcapsules' shell compound. Composites Part B: Engineering, 2016, 85, 305-314. | 5.9 | 28 |
| 28 | Preparation of self-healing acrylic latex coatings using novel oil-filled ethyl cellulose microcapsules. Progress in Organic Coatings, 2015, 85, 168-177. | 1.9 | 30 |
| 29 | Surface treatment of TiO ₂ nanoparticles via sol-gel method: Effect of silane type on hydrophobicity of the nanoparticles. Progress in Organic Coatings, 2015, 87, 36-44. | 1.9 | 27 |
| 30 | Preparation and characterization of pre-silane modified ethyl cellulose-based microcapsules containing linseed oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 447, 71-80. | 2.3 | 54 |
| 31 | APS-silane modification of silica nanoparticles: effect of treatment variables on the grafting content and colloidal stability of the nanoparticles. Journal of Coatings Technology Research, 2014, 11, 651-660. | 1.2 | 20 |
| 32 | Photocatalytic activity of water-based acrylic coatings containing fluorosilane treated TiO ₂ nanoparticles. Progress in Organic Coatings, 2014, 77, 1325-1335. | 1.9 | 19 |
| 33 | Preparation and characterization of linseed oil-filled urea-formaldehyde microcapsules and their effect on mechanical properties of an epoxy-based coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 16-26. | 2.3 | 80 |
| 34 | Corrosion protection of steel by epoxy nanocomposite coatings containing various combinations of clay and nanoparticulate zirconia. Corrosion Science, 2013, 75, 134-141. | 3.0 | 120 |
| 35 | The effect of micro and nano-sized particles on mechanical and adhesion properties of a clear polyester powder coating. Progress in Organic Coatings, 2013, 76, 1625-1632. | 1.9 | 68 |
| 36 | Effect of silica nanoparticles surface treatment on in situ polymerization of styrene-butyl acrylate latex. Progress in Organic Coatings, 2013, 76, 1016-1023. | 1.9 | 62 |

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|----|--|-----|-----------|
| 37 | Investigating the role of surface treated titanium dioxide nanoparticles on self-cleaning behavior of an acrylic facade coating. <i>Journal of Coatings Technology Research</i> , 2013, 10, 175-187. | 1.2 | 28 |
| 38 | Glycidyl Methacrylate Copolymers Modified with CO ₂ . <i>Soft Materials</i> , 2013, 11, 430-439. | 0.8 | 6 |
| 39 | Fluoroalkylsilane treatment of TiO ₂ nanoparticles in difference pH values: Characterization and mechanism. <i>Advanced Powder Technology</i> , 2012, 23, 428-436. | 2.0 | 72 |
| 40 | Surface analysis and anti-graffiti behavior of a weathered polyurethane-based coating embedded with hydrophobic nano silica. <i>Applied Surface Science</i> , 2012, 258, 4391-4396. | 3.1 | 62 |
| 41 | Effect of various combinations of zirconia and organoclay nanoparticles on mechanical and thermal properties of an epoxy nanocomposite coating. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 2095-2106. | 3.8 | 53 |
| 42 | Application of mixture experimental design to optimize formulation and performance of thermoplastic road markings. <i>Progress in Organic Coatings</i> , 2012, 75, 549-559. | 1.9 | 29 |
| 43 | Silane grafting of TiO ₂ nanoparticles: dispersibility and photoactivity in aqueous solutions. <i>Surface and Interface Analysis</i> , 2012, 44, 41-47. | 0.8 | 49 |
| 44 | Preparation and characterization of ethyl cellulose-based core-shell microcapsules containing plant oils. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 394, 74-84. | 2.3 | 73 |
| 45 | Investigating the surface properties of polyurethane based anti-graffiti coatings against UV exposure. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3082-3091. | 1.3 | 26 |
| 46 | Investigating changes in electrochemical properties when nano-silica is incorporated into an acrylic-based polyurethane clearcoat. <i>Journal of Coatings Technology Research</i> , 2012, 9, 195-201. | 1.2 | 8 |
| 47 | Corrosion performance of epoxy coatings containing silane treated ZrO ₂ nanoparticles on mild steel in 3.5% NaCl solution. <i>Corrosion Science</i> , 2011, 53, 89-98. | 3.0 | 379 |
| 48 | Synthesis, characterization and enhanced photocatalytic activity of TiO ₂ /SiO ₂ nanocomposite in an aqueous solution and acrylic-based coatings. <i>Progress in Organic Coatings</i> , 2011, 72, 453-460. | 1.9 | 88 |
| 49 | Investigating the antigraffiti properties of a polyurethane clearcoat containing a silicone polyacrylate additive. <i>Journal of Coatings Technology Research</i> , 2011, 8, 497-503. | 1.2 | 26 |
| 50 | Weathering performance of the polyurethane nanocomposite coatings containing silane treated TiO ₂ nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 4196-4203. | 3.1 | 83 |
| 51 | Correlating the adhesion of an acrylic coating to the physico-mechanical behavior of a polypropylene substrate. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 220-225. | 1.4 | 10 |
| 52 | Studies of the Mechanical Properties and Practical Coating Adhesion on PP Modified by Oxidized Wax. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 1113-1129. | 1.4 | 6 |
| 53 | The adhesion properties and corrosion performance of differently pretreated epoxy coatings on an aluminium alloy. <i>Corrosion Science</i> , 2010, 52, 1948-1957. | 3.0 | 89 |
| 54 | Investigating the effect of power/time in the wettability of Ar and O ₂ gas plasma-treated low-density polyethylene. <i>Progress in Organic Coatings</i> , 2009, 64, 482-488. | 1.9 | 55 |

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|----|--|-----|-----------|
| 55 | Surface modification of TiO ₂ nano-particles with silane coupling agent and investigation of its effect on the properties of polyurethane composite coating. <i>Progress in Organic Coatings</i> , 2009, 65, 222-228. | 1.9 | 392 |
| 56 | PMMA-grafted nanoclay as novel filler for dental adhesives. <i>Dental Materials</i> , 2009, 25, 339-347. | 1.6 | 99 |
| 57 | Thermooxidative reactions of polypropylene wax in the molten state. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2703-2710. | 1.3 | 4 |
| 58 | Surface Properties of Low Density Polyethylene upon Low-Temperature Plasma Treatment with Various Gases. <i>Plasma Chemistry and Plasma Processing</i> , 2008, 28, 377-390. | 1.1 | 29 |
| 59 | Effect of TiO ₂ on the mechanical and adhesion properties of RTV silicone elastomer coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 317, 80-86. | 2.3 | 74 |
| 60 | Effect of curing characterization on the corrosion performance of polyester and polyester/epoxy powder coatings. <i>Corrosion Science</i> , 2008, 50, 3280-3286. | 3.0 | 71 |
| 61 | Study of silicone coating adhesion to an epoxy undercoat using silane compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 302, 11-16. | 2.3 | 49 |
| 62 | Effect of silane-based treatment on the adhesion strength of acrylic lacquers on the PP surfaces. <i>International Journal of Adhesion and Adhesives</i> , 2007, 27, 519-526. | 1.4 | 24 |
| 63 | Effect of low-pressure O ₂ and Ar plasma treatments on the wettability and morphology of biaxial-oriented polypropylene (BOPP) film. <i>Progress in Organic Coatings</i> , 2007, 60, 105-111. | 1.9 | 69 |
| 64 | Adhesion performance of an epoxy clear coat on aluminum alloy in the presence of vinyl and amino-silane primers. <i>Progress in Organic Coatings</i> , 2006, 57, 307-313. | 1.9 | 79 |
| 65 | Comparison of drag characteristics of self-polishing co-polymers and silicone foul release coatings: A study of wettability and surface roughness. <i>Progress in Organic Coatings</i> , 2006, 57, 421-429. | 1.9 | 25 |
| 66 | Cure characterization of epoxy and polyester clear powder coatings using Differential Scanning Calorimetry (DSC) and Dynamic Mechanical Thermal Analysis (DMTA). <i>Progress in Organic Coatings</i> , 2005, 54, 164-169. | 1.9 | 50 |
| 67 | Evaluation of the weathering performance of basecoat/clearcoat automotive paint systems by electrochemical properties measurements. <i>Progress in Organic Coatings</i> , 2005, 54, 384-389. | 1.9 | 32 |
| 68 | Adhesive strength of powder coated aluminium substrates. <i>International Journal of Adhesion and Adhesives</i> , 2005, 25, 484-494. | 1.4 | 14 |
| 69 | Microwave irradiation of polypropylene surface: a study on wettability and adhesion. <i>International Journal of Adhesion and Adhesives</i> , 2004, 24, 163-170. | 1.4 | 76 |
| 70 | Corrosion performance of powder coated aluminium using EIS. <i>Progress in Organic Coatings</i> , 2003, 46, 112-120. | 1.9 | 59 |
| 71 | Degradation of Pollutants in Solid and Gas States Using Waterborne Acrylic Nanocomposite Paints. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |