

# Jolanta Kowalonek

## List of Publications by Year in descending order

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45  
papers

1,025  
citations

471371

17  
h-index

434063

31  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1410  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The influence of side groups and polarity of polymers on the kind and effectiveness of their surface modification by air plasma action. <i>European Polymer Journal</i> , 2002, 38, 1915-1919. | 2.6 | 129       |
| 2  | Surface modification of thin polymeric films by air-plasma or UV-irradiation. <i>Surface Science</i> , 2002, 507-510, 883-888.   | 0.8 | 97        |
| 3  | Thermogravimetric analysis of thermal stability of poly(methyl methacrylate) films modified with photoinitiators. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1387-1394.   | 2.0 | 81        |
| 4  | The influence of UV-irradiation on chitosan modified by the tannic acid addition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 148, 333-339.                           | 1.7 | 50        |
| 5  | Microparticles based on natural and synthetic polymers for cosmetic applications. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 952-956.                              | 3.6 | 47        |
| 6  | Air plasma or UV-irradiation applied to surface modification of pectin/poly(vinyl alcohol) blends. <i>Applied Surface Science</i> , 2010, 257, 325-331.  | 3.1 | 44        |
| 7  | Studies of pectin/polyvinylpyrrolidone blends exposed to ultraviolet radiation. <i>European Polymer Journal</i> , 2010, 46, 345-353.   | 2.6 | 44        |
| 8  | The influence of UV-irradiation on poly(vinyl chloride) modified by iron and cobalt chlorides. <i>Polymer Degradation and Stability</i> , 2003, 79, 231-240.                                   | 2.7 | 43        |
| 9  | Studies of chitosan/pectin complexes exposed to UV radiation. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 515-524.  | 3.6 | 39        |
| 10 | Surface characteristics of UV-irradiated collagen/PVP blended films. <i>Surface Science</i> , 2004, 566-568, 608-612.  | 0.8 | 37        |
| 11 | Collagen/Gelatin/Hydroxyethyl Cellulose Composites Containing Microspheres Based on Collagen and Gelatin: Design and Evaluation. <i>Polymers</i> , 2018, 10, 456.                              | 2.0 | 37        |
| 12 | Effect of plasticizer and surfactant on the properties of poly(vinyl alcohol)/chitosan films. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2100-2107.                | 3.6 | 30        |
| 13 | The influence of transition metal salts on photo-oxidative degradation of poly(ethylene oxide). <i>Polymer Degradation and Stability</i> , 2001, 73, 437-441.                                  | 2.7 | 26        |
| 14 | Cobalt(II) chloride catalysed oxidative degradation of poly(ethylene oxide) by a short wavelength UV-radiation. <i>Polymer</i> , 1999, 40, 5781-5791.  | 1.8 | 25        |
| 15 | Photochemical Reactions in Dialdehyde Starch. <i>Molecules</i> , 2018, 23, 3358.   | 1.7 | 24        |
| 16 | Studies of photooxidative degradation of poly(vinyl chloride)/poly(ethylene oxide) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 585-602.                     | 2.4 | 23        |
| 17 | Physico-Chemical and Light-Induced Properties of Quinoline Azo-dyes Polymers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5755.   | 1.8 | 20        |
| 18 | New piezoelectric composites based on isotactic polypropylene filled with silicate. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6435-6447.                       | 1.1 | 18        |

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|----|---|-----|-----------|
| 19 | The chitosan – Porphyrine hybrid materials and their photochemical properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 1-13.  | 1.7 | 18        |
| 20 | Changes of surface morphology in UV-irradiated poly(acrylic acid)/poly(ethylene oxide) blends. <i>Surface Science</i> , 2004, 566-568, 560-565.   | 0.8 | 17        |
| 21 | Changes of poly(ethylene oxide) photostability by doping with nickel(II) chloride. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 128, 121-127.   | 2.0 | 16        |
| 22 | Influence of a photoinitiator on the photochemical stability of poly(methyl methacrylate) studied with fourier transform infrared spectroscopy. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1598-1607. | 1.3 | 16        |
| 23 | Surface studies of UV-irradiated poly(vinyl chloride)/poly(methyl methacrylate) blends. <i>Polymer Degradation and Stability</i> , 2016, 133, 367-377.  | 2.7 | 15        |
| 24 | Design of Sodium Alginate/Gelatin-Based Emulsion Film Fused with Polylactide Microparticles Charged with Plant Extract. <i>Materials</i> , 2021, 14, 745.   | 1.3 | 13        |
| 25 | Photochemical stability of poly(vinyl pyrrolidone) in the presence of collagen. <i>Polymer Degradation and Stability</i> , 2008, 93, 2127-2132.   | 2.7 | 11        |
| 26 | Surface and thermal properties of UV-irradiated chitosan/poly(ethylene oxide) blends. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 209-218.  | 2.0 | 11        |
| 27 | The surface properties of ionomers based on styrene-co-acrylic acid copolymers. <i>Surface Science</i> , 2006, 600, 1134-1139.  | 0.8 | 10        |
| 28 | Influence of glass beads filler and orientation process on piezoelectric properties of polyethylene composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 21032-21047.            | 1.1 | 10        |
| 29 | Surface and thermal behavior of chitosan/poly(ethylene oxide) blends. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 640, 78-89.   | 0.4 | 9         |
| 30 | Effect of UV-irradiation on fluorescence of poly(methyl methacrylate) films with photosensitive organic compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 319-320, 18-24.         | 2.0 | 9         |
| 31 | Surface Studies of UV Irradiated Polypropylene Films Modified with Mineral Fillers Designed as Piezoelectric Materials. <i>Polymers</i> , 2020, 12, 562.  | 2.0 | 9         |
| 32 | Freeze-Dried Matrices Composed of Degradable Polymers with Surfactant-Loaded Microparticles Based on Pectin and Sodium Alginate. <i>Materials</i> , 2021, 14, 3044.   | 1.3 | 8         |
| 33 | Effect of azobenzene derivatives on the photochemical stability of poly(methyl methacrylate) films. <i>Polymer Degradation and Stability</i> , 2012, 97, 1305-1313.   | 2.7 | 6         |
| 34 | Surface properties of poly(lactic acid)/polyacrylate semi-interpenetrating networks – Effect of UVC radiation. <i>Polymer Degradation and Stability</i> , 2016, 131, 71-81.                                       | 2.7 | 6         |
| 35 | Lyophilized Emulsions in the Form of 3D Porous Matrices as a Novel Material for Topical Application. <i>Materials</i> , 2021, 14, 950.  | 1.3 | 6         |
| 36 | Surface properties of ionomers based on styrene-b-acrylic acid copolymers obtained by copolymerization in emulsion. <i>Applied Surface Science</i> , 2009, 255, 9159-9165.  | 3.1 | 5         |

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|----|--|-----|-----------|
| 37 | Studies on degradation of poly(ethylene oxide) by multistep pyrolysis/gas chromatography with a programmable temperature vaporization injector. <i>Polimery</i> , 2000, 45, 433-438.   | 0.4 | 5         |
| 38 | Bionanocellulose/Poly(Vinyl Alcohol) Composites Produced by In-Situ Method and Ex-Situ/Impregnation or Sterilization Methods. <i>Materials</i> , 2021, 14, 6340.   | 1.3 | 4         |
| 39 | Surface Properties of Poly(vinyl alcohol) with Iron(III)chloride Before and After UV-Irradiation. <i>Macromolecular Symposia</i> , 2010, 295, 114-118.   | 0.4 | 2         |
| 40 | Influence of methyl group in a quinoline moiety on optical and light-induced properties of side-chain azo-polymers. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.   | 1.6 | 2         |
| 41 | Corona Charging of Isotactic-Polypropylene Composites. <i>Polymers</i> , 2021, 13, 942.  | 2.0 | 2         |
| 42 | Accelerated Degradation of Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 354, 421-425.   | 0.3 | 1         |
| 43 | The Influence of UV-Irradiation or Plasma on Ionomer Surfaces. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 590, 11-16.   | 0.4 | 0         |
| 44 | Studies of plasma treated styrene-based ionomers. <i>Polimery</i> , 2015, 60, 232-241.   | 0.4 | 0         |
| 45 | Modyfikacja właściwości powierzchniowych kompozytów polietylenowych przeznaczonych na materiały piezoelektryczne. Wpływ promieniowania UV, orientacji i wyładowania koronowych. <i>Przemysł Chemiczny</i> , 2019, 1, 98-104. | 0.0 | 0         |