

Krzysztof Pielichowski

List of Publications by Year in descending order

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Version: 2024-02-01

181
papers

8,316
citations

76196

40
h-index

51492

86
g-index

191
all docs

191
docs citations

191
times ranked

8652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Phase change materials for thermal energy storage. <i>Progress in Materials Science</i> , 2014, 65, 67-123. | 16.0 | 1,475 |
| 2 | Carbazole-containing polymers: synthesis, properties and applications. <i>Progress in Polymer Science</i> , 2003, 28, 1297-1353. | 11.8 | 733 |
| 3 | Polymer/montmorillonite nanocomposites with improved thermal properties. <i>Thermochimica Acta</i> , 2007, 453, 75-96. | 1.2 | 544 |
| 4 | Polyhedral Oligomeric Silsesquioxanes (POSS)-Containing Nanohybrid Polymers. <i>Advances in Polymer Science</i> , 2006, , 225-296. | 0.4 | 321 |
| 5 | Nanofiller reinforced polymer nanocomposites. <i>Polymers for Advanced Technologies</i> , 2008, 19, 947-959. | 1.6 | 274 |
| 6 | Polymer/montmorillonite nanocomposites with improved thermal properties. <i>Thermochimica Acta</i> , 2007, 454, 1-22. | 1.2 | 267 |
| 7 | Differential scanning calorimetry studies on poly(ethylene glycol) with different molecular weights for thermal energy storage materials. <i>Polymers for Advanced Technologies</i> , 2002, 13, 690-696. | 1.6 | 255 |
| 8 | Polymer Nanocomposites for Aerospace Applications: Properties. <i>Advanced Engineering Materials</i> , 2003, 5, 769-778. | 1.6 | 223 |
| 9 | Epoxy Based Fibre Reinforced Nanocomposites. <i>Advanced Engineering Materials</i> , 2007, 9, 835-847. | 1.6 | 171 |
| 10 | Segmental dynamics in hybrid polymer/POSS nanomaterials. <i>Progress in Polymer Science</i> , 2016, 52, 136-187. | 11.8 | 151 |
| 11 | Non-oxidative thermal degradation of poly(ethylene oxide): kinetic and thermoanalytical study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 73, 131-138. | 2.6 | 125 |
| 12 | Application of thermal analysis methods for characterization of polymer/montmorillonite nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008, 93, 677-687. | 2.0 | 120 |
| 13 | Recent developments in polyurethane-based conducting composites. <i>Journal of Materials Science</i> , 2004, 39, 4081-4094. | 1.7 | 82 |
| 14 | Thermo(oxidative) stability of novel polyurethane/POSS nanohybrid elastomers. <i>Thermochimica Acta</i> , 2008, 478, 51-53. | 1.2 | 82 |
| 15 | Thermal degradation studies of polyurethane/POSS nanohybrid elastomers. <i>Polymer Degradation and Stability</i> , 2010, 95, 1099-1105. | 2.7 | 77 |
| 16 | Kinetic analysis of the thermal decomposition of polyaniline. <i>Solid State Ionics</i> , 1997, 104, 123-132. | 1.3 | 74 |
| 17 | Polymer Nanocomposites for Aerospace Applications: Fabrication. <i>Advanced Engineering Materials</i> , 2004, 6, 193-203. | 1.6 | 71 |
| 18 | Renewable energy systems for building heating, cooling and electricity production with thermal energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 165, 112560. | 8.2 | 70 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Biodegradable PEO/cellulose-based solid-phase change materials. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1633-1641. | 1.6 | 66 |
| 20 | POSS along the Hard Segments of Polyurethane. <i>Phase Separation and Molecular Dynamics. Macromolecules</i> , 2013, 46, 7378-7386. | 2.2 | 66 |
| 21 | Bio-polyamides based on renewable raw materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1225-1237. | 2.0 | 65 |
| 22 | Differential Scanning Calorimetry Study of Blends of Poly(ethylene glycol) with Selected Fatty Acids. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 259-264. | 1.7 | 64 |
| 23 | PEO/fatty acid blends for thermal energy storage materials. Structural/morphological features and hydrogen interactions. <i>European Polymer Journal</i> , 2008, 44, 3344-3360. | 2.6 | 64 |
| 24 | Polyurethane-POSS hybrids: Molecular dynamics studies. <i>Polymer</i> , 2010, 51, 709-718. | 1.8 | 63 |
| 25 | Recent Advances in Fabrication of Non-Isocyanate Polyurethane-Based Composite Materials. <i>Materials</i> , 2021, 14, 3497. | 1.3 | 58 |
| 26 | Reduced Phase Separation and Slowing of Dynamics in Polyurethanes with Three-Dimensional POSS-Based Cross-Linking Moieties. <i>Macromolecules</i> , 2015, 48, 1429-1441. | 2.2 | 57 |
| 27 | Thermal degradation studies on rigid polyurethane foams blown with pentane. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2319-2330. | 1.3 | 54 |
| 28 | Molecular mobility and crystallinity in polytetramethylene ether glycol in the bulk and as soft component in polyurethanes. <i>European Polymer Journal</i> , 2011, 47, 2120-2133. | 2.6 | 50 |
| 29 | Predicting the Mechanical Properties of RCA-Based Concrete Using Supervised Machine Learning Algorithms. <i>Materials</i> , 2022, 15, 647. | 1.3 | 50 |
| 30 | Fabrication, characterization and low-velocity impact testing of hybrid sandwich composites with polyurethane/layered silicate foam cores. <i>Polymer Composites</i> , 2011, 32, 6-13. | 2.3 | 48 |
| 31 | Surface Modification of Cellulose Nanocrystals with Succinic Anhydride. <i>Polymers</i> , 2019, 11, 866. | 2.0 | 48 |
| 32 | Direct and indirect effects of POSS on the molecular mobility of polyurethanes with varying segment M. <i>Polymer</i> , 2013, 54, 2745-2754. | 1.8 | 46 |
| 33 | Thermal stability and flammability of polyurethane foams chemically reinforced with POSS. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 155-163. | 2.0 | 46 |
| 34 | Thermal decomposition studies on polyurethane elastomers reinforced with polyhedral silsesquioxanes by evolved gas analysis. <i>Polymer Degradation and Stability</i> , 2018, 149, 129-142. | 2.7 | 46 |
| 35 | Polymer Nanocomposites for Aerospace Applications: Characterization. <i>Advanced Engineering Materials</i> , 2004, 6, 204-210. | 1.6 | 45 |
| 36 | Polyurethane foams chemically reinforced with POSS—Thermal degradation studies. <i>Thermochimica Acta</i> , 2016, 642, 95-104. | 1.2 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Degradative and morphological characterization of POSS modified nanohybrid polyurethane elastomers. <i>Polymer Degradation and Stability</i> , 2014, 104, 50-56. | 2.7 | 44 |
| 38 | Modern biopolyamide-based materials: synthesis and modification. <i>Polymer Bulletin</i> , 2020, 77, 501-528. | 1.7 | 44 |
| 39 | TG-FTIR study of the thermal degradation of polyoxymethylene (POM)/thermoplastic polyurethane (TPU) blends. <i>Journal of Thermal Analysis and Calorimetry</i> , 2004, 78, 631-637. | 2.0 | 43 |
| 40 | Compatible poly(vinyl chloride)/chlorinated polyurethane blends: thermal characteristics. <i>European Polymer Journal</i> , 2000, 36, 171-181. | 2.6 | 42 |
| 41 | Safety of the application of nanosilver and nanogold in topical cosmetic preparations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110416. | 2.5 | 42 |
| 42 | Step-scan alternating DSC study of melting and crystallisation in poly(ethylene oxide). <i>Polymer</i> , 2004, 45, 1235-1242. | 1.8 | 41 |
| 43 | Recent developments in polymeric phase change materials for energy storage: poly(ethylene Terephthalate) based polyurethane/paraffin wax blends. <i>Journal of Applied Polymer Science</i> , 2019, 141, 47557. | 1.6 | 41 |
| 44 | The kinetics of cure of epoxides and related sulphur compounds studied by dynamic DSC. <i>Polymer</i> , 2000, 41, 4381-4388. | 1.8 | 38 |
| 45 | The Effect of Nanoclay on Dust Generation during Drilling of PA6 Nanocomposites. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8. | 1.5 | 38 |
| 46 | POSS-Based Polymers. <i>Polymers</i> , 2019, 11, 1727. | 2.0 | 38 |
| 47 | Natural Fibre-Reinforced Polymer Composites and Nanocomposites for Automotive Applications. <i>Journal of Applied Polymer Science</i> , 2011, 119, 661-700. | | 37 |
| 48 | Crystallization behaviour of PEO with carbon-based nanonucleants for thermal energy storage. <i>Thermochimica Acta</i> , 2010, 510, 173-184. | 1.2 | 36 |
| 49 | The influence of multiscale fillers reinforcement into impact resistance and energy absorption properties of polyamide 6 and polypropylene nanocomposite structures. <i>Materials & Design</i> , 2013, 50, 244-252. | 5.1 | 36 |
| 50 | Thermal energy storage systems based on poly(vinyl chloride) blends. <i>European Polymer Journal</i> , 1999, 35, 27-34. | 2.6 | 34 |
| 51 | Effect of nanofillers on low energy impact performance of sandwich structures with nanoreinforced polyurethane foam cores. <i>Journal of Sandwich Structures and Materials</i> , 2014, 16, 173-194. | 2.0 | 34 |
| 52 | The influence of nanoparticles on phase formation and stability of liquid crystals and liquid crystalline polymers. <i>Journal of Molecular Liquids</i> , 2021, 321, 114849. | 2.3 | 34 |
| 53 | The influence of POSS nanoparticles on selected thermal properties of polyurethane-based hybrids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 289-301. | 2.0 | 33 |
| 54 | Thermal decomposition of bisphenol A-based polyetherurethanes blown with pentane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 76, 243-248. | 2.6 | 32 |

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|----|---|-----|-----------|
| 55 | Modification of organo-montmorillonite with disodium H-phosphonate to develop flame retarded polyamide 6 nanocomposites. <i>Applied Clay Science</i> , 2017, 139, 28-39. | 2.6 | 31 |
| 56 | Influence of polyesterurethane plasticizer on the kinetics of poly(vinyl chloride) decomposition process. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 83, 207-212. | 2.0 | 28 |
| 57 | Binary blends of polyethers with fatty acids: A thermal characterization of the phase transitions. <i>Journal of Applied Polymer Science</i> , 2003, 90, 861-870. | 1.3 | 27 |
| 58 | Synthesis and morphology of rigid polyurethane foams with POSS as pendant groups or chemical crosslinks. <i>Polymers for Advanced Technologies</i> , 2015, 26, 932-940. | 1.6 | 27 |
| 59 | Polyoxymethylene-copolymer based composites with PEG-grafted hydroxyapatite with improved thermal stability. <i>Thermochimica Acta</i> , 2016, 633, 98-107. | 1.2 | 26 |
| 60 | POSS Moieties with PEG Vertex Groups as Diluent in Polyurethane Elastomers: Morphology and Phase Separation. <i>Macromolecules</i> , 2016, 49, 6507-6517. | 2.2 | 26 |
| 61 | Examining the influence of functionalized POSS on the structure and bioactivity of flexible polyurethane foams. <i>Materials Science and Engineering C</i> , 2020, 108, 110370. | 3.8 | 26 |
| 62 | The pyrolysis and combustion of polyoxymethylene in a fluidised bed with the possibility of incorporating CO ₂ . <i>Energy Conversion and Management</i> , 2020, 214, 112888. | 4.4 | 26 |
| 63 | Thermal properties of poly(ethylene oxide)/lauric acid blends: A SSAâ€”DSC study. <i>Thermochimica Acta</i> , 2006, 442, 18-24. | 1.2 | 25 |
| 64 | Microwave-assisted synthesis of carboxymethylcellulose â€” based polymeric surfactants. <i>Polymer Bulletin</i> , 2008, 60, 15-25. | 1.7 | 25 |
| 65 | Preparation and characterization of PVC/montmorillonite nanocompositesâ€”A review. <i>Journal of Vinyl and Additive Technology</i> , 2009, 15, 61-76. | 1.8 | 25 |
| 66 | Novel hydrogels containing nanosilver for biomedical applications - synthesis and characterization. <i>Journal of Polymer Research</i> , 2013, 20, 1. | 1.2 | 24 |
| 67 | The Impact of the Preparation Method on the Properties of Orodispersible Films with Aripiprazole: Electrospinning vs. Casting and 3D Printing Methods. <i>Pharmaceutics</i> , 2021, 13, 1122. | 2.0 | 24 |
| 68 | Application of thermal analysis for the investigation of polymer degradation processes. <i>Journal of Thermal Analysis</i> , 1995, 43, 505-508. | 0.7 | 23 |
| 69 | Rheological properties of some starch-water-sugar systems. <i>International Journal of Food Science and Technology</i> , 1999, 34, 371-383. | 1.3 | 23 |
| 70 | Preparation and Properties of Biodegradable Slowâ€”Release PAA Superabsorbent Matrixes for Phosphorus Fertilizers. <i>Macromolecular Symposia</i> , 2009, 279, 236-242. | 0.4 | 23 |
| 71 | Biocomposites of polyamide 4.10 and surface modified microfibrillated cellulose (MFC): influence of processing parameters on structure and thermomechanical properties. <i>Cellulose</i> , 2015, 22, 2551-2569. | 2.4 | 23 |
| 72 | New carbazole-based polymers for dye solar cells with hole-conducting polymer. <i>Synthetic Metals</i> , 2004, 146, 159-165. | 2.1 | 22 |

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|----|--|-----|-----------|
| 73 | Thermal stability of cellulose nanocrystals prepared by succinic anhydride assisted hydrolysis. <i>Thermochimica Acta</i> , 2018, 663, 145-156. | 1.2 | 22 |
| 74 | Alginate/PVA-based hydrogel matrices with <i>Echinacea purpurea</i> extract as a new approach to dermal wound healing. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 195-206. | 1.8 | 22 |
| 75 | Polyoxymethylene-based nanocomposites with montmorillonite: an introductory study. <i>Polimery</i> , 2006, 51, 143-149. | 0.4 | 22 |
| 76 | A study of the thermal degradation of poly(vinyl chloride) in the presence of carbazole and potassium carbazole using t.g.a./FTi.r.. <i>Polymer</i> , 1994, 35, 336-338. | 1.8 | 21 |
| 77 | Thermal Degradation of Poly(Vinyl Chloride)/Polyaniline Conducting Blends. <i>Magyar Árvad Kémlemeznyek</i> , 1998, 54, 171-175. | 1.4 | 21 |
| 78 | Kinetics of gelatinization of potato starch studied by non-isothermal DSC. <i>Carbohydrate Polymers</i> , 1998, 35, 49-54. | 5.1 | 21 |
| 79 | Recent Advances in Polyurethane/POSS Hybrids for Biomedical Applications. <i>Molecules</i> , 2022, 27, 40. | 1.7 | 21 |
| 80 | TGA/FTi.r. studies on the thermal stability of poly(vinyl chloride) blends with a novel colourant and stabilizer: 3-(2,4-dichlorophenylazo)-9-(2,3-epoxypropane)carbazole. <i>Polymer</i> , 1998, 39, 241-244. | 1.8 | 20 |
| 81 | Segmented MDI/HMDI-based polyurethanes with lowered flammability. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3214-3224. | 1.3 | 20 |
| 82 | Thermal decomposition of bisphenol A-based polyetherurethanes blown with pentane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 76, 249-253. | 2.6 | 20 |
| 83 | Thermal aging and accelerated weathering of PVC/MMT nanocomposites: Structural and morphological studies. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 20 |
| 84 | The effect of surface modification of microfibrillated cellulose (MFC) by acid chlorides on the structural and thermomechanical properties of biopolyamide 4.10 nanocomposites. <i>Industrial Crops and Products</i> , 2018, 116, 97-108. | 2.5 | 20 |
| 85 | Characterization and Combustion Behavior of Single-Use Masks Used during COVID-19 Pandemic. <i>Materials</i> , 2021, 14, 3501. | 1.3 | 20 |
| 86 | Thermal decomposition studies of bio-resourced polyamides by thermogravimetry and evolved gas analysis. <i>Thermochimica Acta</i> , 2015, 612, 40-48. | 1.2 | 19 |
| 87 | Polyurethanes with POSS pendent on flexible hard segments: Morphology and glass transition. <i>Polymer</i> , 2018, 147, 225-236. | 1.8 | 19 |
| 88 | Recent advances in thermal analysis and calorimetry presented at the 1st Journal of Thermal Analysis and Calorimetry Conference and 6th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference (2017). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 1-4. | 2.0 | 19 |
| 89 | Thermal Stabilization of Polyoxymethylene by PEG-Functionalized Hydroxyapatite: Examining the Effects of Reduced Formaldehyde Release and Enhanced Bioactivity. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-17. | 0.8 | 19 |
| 90 | PVC/MMT nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1571-1575. | 2.0 | 18 |

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|-----|---|-----|-----------|
| 91 | Stabilization effects of POSS nanoparticles on gamma-irradiated polyurethane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 767-774. | 2.0 | 18 |
| 92 | Morphology, dynamics, and order development in a thermoplastic polyurethane with melt blended POSS. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1133-1142. | 2.4 | 18 |
| 93 | Physical characteristics of nanoparticles emitted during drilling of silica based polyamide 6 nanocomposites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 40, 012012. | 0.3 | 17 |
| 94 | Assessment of Nanoparticle Release from Polyamide 6- and Polypropylene-Silicon Composites and Cytotoxicity in Human Lung A549 Cells. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 861-870. | 1.9 | 17 |
| 95 | Thermal properties of new catalysts based on heteropolyanion-doped polyaniline. <i>Synthetic Metals</i> , 1997, 89, 199-202. | 2.1 | 16 |
| 96 | Novel biodegradable form stable phase change materials: Blends of poly(ethylene oxide) and gelatinized potato starch. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1725-1731. | 1.3 | 16 |
| 97 | Recycling of polypropylene/montmorillonite nanocomposites by pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 119, 1-7. | 2.6 | 16 |
| 98 | 1,2-Propanediolizobutyl POSS as a co-flame retardant for rigid polyurethane foams. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 1351-1358. | 2.0 | 16 |
| 99 | Thermal decomposition of the copolymers based on long-chained diol dimethacrylates and BIS-GMA/TEGDMA. <i>Thermochimica Acta</i> , 1997, 307, 155-165. | 1.2 | 15 |
| 100 | Semi-interpenetrating polymer networks of polyurethane and poly(vinyl chloride). <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 80, 147-151. | 2.0 | 15 |
| 101 | Studies on the thermal properties and flammability of polyamide 6 nanocomposites surface-modified via layer-by-layer deposition of chitosan and montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 405-416. | 2.0 | 15 |
| 102 | Thermal stability of gamma-irradiated polyurethane/POSS hybrid materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 49-54. | 2.0 | 15 |
| 103 | Chlorinated polyurethanes based on 2,4-toluenediisocyanate: Thermal analysis and flammability evaluation. <i>Journal of Applied Polymer Science</i> , 1998, 67, 1465-1471. | 1.3 | 14 |
| 104 | Morphological features and flammability of MDI/HMDI-based segmented polyurethanes containing 3-chloro-1,2-propanediol in the main chain. <i>Polymer Degradation and Stability</i> , 2003, 80, 327-331. | 2.7 | 14 |
| 105 | Thermal characteristics of novel NaH ₂ PO ₄ /NaHSO ₄ flame retardant system for polyurethane foams. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 86, 475-478. | 2.0 | 13 |
| 106 | A Kinetic Analysis of the Thermo-Oxidative Degradation of PU/POSS nanohybrid Elastomers. <i>Silicon</i> , 2016, 8, 65-74. | 1.8 | 13 |
| 107 | Polymer Nanocomposites. <i>Handbook of Thermal Analysis and Calorimetry</i> , 2018, 6, 431-485. | 1.6 | 13 |
| 108 | Compression-Induced Phase Transitions of Bicalutamide. <i>Pharmaceutics</i> , 2020, 12, 438. | 2.0 | 13 |

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|-----|---|-----|-----------|
| 109 | Nano-hybrid polymers containing polyhedral oligosilsesquioxanes (POSS). <i>Polimery</i> , 2008, 53, 88-98. | 0.4 | 13 |
| 110 | Thermal Behavior and Flammability of Polyurethanes Based on Diphenylmethane-4,4'-diisocyanate and Incorporating 3-Chloro-1,2-propanediol in the Main Chain. <i>Polymer Journal</i> , 1997, 29, 848-853. | 1.3 | 12 |
| 111 | Synthesis and characterization of polyurethane microspheres and their application for immobilization of maltogenase. <i>Polymers for Advanced Technologies</i> , 2007, 18, 67-71. | 1.6 | 12 |
| 112 | Polyaniline-based catalysts characterized by dynamic DSC. <i>Applied Catalysis A: General</i> , 1997, 161, L25-L28. | 2.2 | 11 |
| 113 | The Influence of Polyhedral Oligomeric Silsesquioxanes on Domain Microstructure in Polyurethane Elastomers. <i>Silicon</i> , 2013, 5, 205-212. | 1.8 | 11 |
| 114 | Physicochemical and Biological Characterisation of Diclofenac Oligomeric Poly(3-hydroxyoctanoate) Hybrids as β -TCP Ceramics Modifiers for Bone Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9452. | 1.8 | 11 |
| 115 | Thermal Analysis of Selectively-Brominated Polystyrene. <i>Polymer Journal</i> , 1994, 26, 822-827. | 1.3 | 11 |
| 116 | Chemical Transformation of Lignosulfonates to Lignosulfonamides with Improved Thermal Characteristics. <i>Fibers</i> , 2022, 10, 20. | 1.8 | 11 |
| 117 | Preparation and thermal characterization of poly(ethylene oxide)/griseofulvin solid dispersions for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1690-1696. | 1.3 | 10 |
| 118 | On Nanoparticles Release from Polymer Nanocomposites for Applications in Lightweight Automotive Components. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012046. | 0.3 | 10 |
| 119 | PEG-POSS Star Molecules Blended in Polyurethane with Flexible Hard Segments: Morphology and Dynamics. <i>Molecules</i> , 2021, 26, 99. | 1.7 | 10 |
| 120 | Polymerization of Chitosan-Acrylic Salt for Use in Dentistry. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1997, 34, 881-899. | 1.2 | 9 |
| 121 | Simultaneous Plasticization and Doping of Polyaniline Studied by Thermal Analysis Methods. <i>Magyar Árvad Kémia</i> , 1998, 53, 633-638. | 1.4 | 9 |
| 122 | Microwave-assisted synthesis of cyclopentyltrisilanol (c-C ₅ H ₉) ₇ Si ₇ O ₉ (OH) ₃ . <i>Journal of Organometallic Chemistry</i> , 2008, 693, 905-907. | 0.8 | 9 |
| 123 | The Synthesis and Properties of Liquid Crystalline Polyurethanes, Chemically Modified by Polyhedral Oligomeric silsesquioxanes. <i>Molecules</i> , 2019, 24, 4013. | 1.7 | 9 |
| 124 | Thermal degradation of POSS-containing nanohybrid linear polyurethanes based on 1,6-hexamethylene diisocyanate. <i>Thermochimica Acta</i> , 2021, 697, 178851. | 1.2 | 9 |
| 125 | Novel Synthesis, Characterization and Amoxicillin Release Study of pH-Sensitive Nanosilica/Poly(acrylic acid) Macroporous Hydrogel with High Swelling. <i>Materials</i> , 2022, 15, 469. | 1.3 | 9 |
| 126 | Characterization of the cure of some epoxides and their sulphur-containing analogues with hexahydrophthalic anhydride by DSC and TGA. <i>Journal of Applied Polymer Science</i> , 1998, 69, 451-460. | 1.3 | 8 |

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|-----|--|-----|-----------|
| 127 | Phase Behavior of Poly(Ethylene Oxide) Studied by Modulated Temperature DSC Influence of the Molecular Weight. Journal of Macromolecular Science - Physics, 2004, 43, 459-470. | 0.4 | 8 |
| 128 | Synthesis of Control Release KH ₂ PO ₄ -Based Fertilizers with PAA Matrix Modified by PEG. Molecular Crystals and Liquid Crystals, 2010, 523, 297/[869]-303/[875]. | 0.4 | 8 |
| 129 | The Mechanical and Thermal Properties of Polyoxymethylene (POM)/Organically Modified Montmorillonite (OMMT) Engineering Nanocomposites Modified with Thermoplastic Polyurethane (TPU) Compatibilizer. Materials Science Forum, 0, 714, 201-209. | 0.3 | 8 |
| 130 | Rigid polyurethane foams reinforced with disilanolisobutyl POSS: Synthesis and properties. Polymers for Advanced Technologies, 2018, 29, 1879-1888. | 1.6 | 8 |
| 131 | Polyurethanes modified with functionalized silsesquioxane synthesis and properties. Polimery, 2013, 58, 783-793. | 0.4 | 8 |
| 132 | Investigation of the thermal degradation process of polystyrene brominated on the ring. Journal of Thermal Analysis, 1995, 45, 1239-1243. | 0.7 | 7 |
| 133 | Title is missing!. Magyar Árvilág Kézikönyvek, 2001, 63, 317-321. | 1.4 | 7 |
| 134 | Layer-by-Layer Deposition of Copper and Phosphorus Compounds to Develop Flame-Retardant Polyamide 6/Montmorillonite Hybrid Composites. Applied Sciences (Switzerland), 2020, 10, 5007. | 1.3 | 7 |
| 135 | Impact of melamine and its derivatives on the properties of poly(vinyl acetate)-based composite wood adhesive. European Journal of Wood and Wood Products, 2021, 79, 177-188. | 1.3 | 7 |
| 136 | Hydration and glass transition of hybrid non-isocyanate polyurethanes with POSS inclusions. Polymer, 2022, 253, 125010. | 1.8 | 7 |
| 137 | TG/FT-IR Studies of Poly(Vinyl Chloride) Blends. Magyar Árvilág Kézikönyvek, 1999, 55, 559-563. | 1.4 | 6 |
| 138 | Polyurethane/POSS Hybrid Materials. Springer Series on Polymer and Composite Materials, 2018, , 167-204. | 0.5 | 6 |
| 139 | Molecular and charge mobility of a poloxamer in the bulk and as soft component in polyurethanes. Polymer, 2019, 182, 121821. | 1.8 | 6 |
| 140 | Molecular dynamics in polyurethane foams chemically reinforced with POSS. Polymer Bulletin, 2019, 76, 2887-2898. | 1.7 | 6 |
| 141 | Recent advances in thermal analysis and calorimetry presented at the 2nd Journal of Thermal Analysis and Calorimetry Conference and 7th V4 (Joint Czech-Hungarian-Polish-Slovakian) Thermoanalytical Conference (2019). Journal of Thermal Analysis and Calorimetry, 2020, 142, 1-4. | 2.0 | 6 |
| 142 | Nanohybrid polyurethane/functionalized silsesquioxane systems. Part I. Structural investigations using FT-IR and NMR methods. Polimery, 2012, 57, 518-528. | 0.4 | 6 |
| 143 | Nanohybrid polyurethane (PUR)/functionalized silsesquioxane (PHIPOSS) systems. Part II. X-Ray structural investigations using WAXD and SAXS methods. Polimery, 2014, 59, 147-159. | 0.4 | 6 |
| 144 | Alginate Hydrogels with Aloe vera: The Effects of Reaction Temperature on Morphology and Thermal Properties. Materials, 2022, 15, 748. | 1.3 | 6 |

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