

Krzysztof Pielichowski

List of Publications by Year in descending order

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181
papers

8,316
citations

76326

40
h-index

51608

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.	32.8	1,475
2	Carbazole-containing polymers: synthesis, properties and applications. <i>Progress in Polymer Science</i> , 2003, 28, 1297-1353.	24.7	733
3	Polymer/montmorillonite nanocomposites with improved thermal properties. <i>Thermochimica Acta</i> , 2007, 453, 75-96.	2.7	544
4	Polyhedral Oligomeric Silsesquioxanes (POSS)-Containing Nanohybrid Polymers. <i>Advances in Polymer Science</i> , 2006, , 225-296.	0.8	321
5	Nanofiller reinforced polymer nanocomposites. <i>Polymers for Advanced Technologies</i> , 2008, 19, 947-959.	3.2	274
6	Polymer/montmorillonite nanocomposites with improved thermal properties. <i>Thermochimica Acta</i> , 2007, 454, 1-22.	2.7	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.	3.2	255
8	Polymer Nanocomposites for Aerospace Applications: Properties. <i>Advanced Engineering Materials</i> , 2003, 5, 769-778.	3.5	223
9	Epoxy Based Fibre Reinforced Nanocomposites. <i>Advanced Engineering Materials</i> , 2007, 9, 835-847.	3.5	171
10	Segmental dynamics in hybrid polymer/POSS nanomaterials. <i>Progress in Polymer Science</i> , 2016, 52, 136-187.	24.7	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.	5.5	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.	3.6	120
13	Recent developments in polyurethane-based conducting composites. <i>Journal of Materials Science</i> , 2004, 39, 4081-4094.	3.7	82
14	Thermo(oxidative) stability of novel polyurethane/POSS nanohybrid elastomers. <i>Thermochimica Acta</i> , 2008, 478, 51-53.	2.7	82
15	Thermal degradation studies of polyurethane/POSS nanohybrid elastomers. <i>Polymer Degradation and Stability</i> , 2010, 95, 1099-1105.	5.8	77
16	Kinetic analysis of the thermal decomposition of polyaniline. <i>Solid State Ionics</i> , 1997, 104, 123-132.	2.7	74
17	Polymer Nanocomposites for Aerospace Applications: Fabrication. <i>Advanced Engineering Materials</i> , 2004, 6, 193-203.	3.5	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.	16.4	70

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19	Biodegradable PEO/cellulose-based solid-solid phase change materials. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1633-1641.	3.2	66
20	POSS along the Hard Segments of Polyurethane. <i>Phase Separation and Molecular Dynamics. Macromolecules</i> , 2013, 46, 7378-7386.	4.8	66
21	Bio-polyamides based on renewable raw materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 1225-1237.	3.6	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.	3.6	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.	5.4	64
24	Polyurethane-POSS hybrids: Molecular dynamics studies. <i>Polymer</i> , 2010, 51, 709-718.	3.8	63
25	Recent Advances in Fabrication of Non-Isocyanate Polyurethane-Based Composite Materials. <i>Materials</i> , 2021, 14, 3497.	2.9	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.	4.8	57
27	Thermal degradation studies on rigid polyurethane foams blown with pentane. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2319-2330.	2.6	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.	5.4	50
29	Predicting the Mechanical Properties of RCA-Based Concrete Using Supervised Machine Learning Algorithms. <i>Materials</i> , 2022, 15, 647.	2.9	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.	4.6	48
31	Surface Modification of Cellulose Nanocrystals with Succinic Anhydride. <i>Polymers</i> , 2019, 11, 866.	4.5	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.	3.8	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.	3.6	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.	5.8	46
35	Polymer Nanocomposites for Aerospace Applications: Characterization. <i>Advanced Engineering Materials</i> , 2004, 6, 204-210.	3.5	45
36	Polyurethane foams chemically reinforced with POSS Thermal degradation studies. <i>Thermochimica Acta</i> , 2016, 642, 95-104.	2.7	45

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37	Degradative and morphological characterization of POSS modified nanohybrid polyurethane elastomers. <i>Polymer Degradation and Stability</i> , 2014, 104, 50-56.	5.8	44
38	Modern biopolyamide-based materials: synthesis and modification. <i>Polymer Bulletin</i> , 2020, 77, 501-528.	3.3	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.	3.6	43
40	Compatible poly(vinyl chloride)/chlorinated polyurethane blends: thermal characteristics. <i>European Polymer Journal</i> , 2000, 36, 171-181.	5.4	42
41	Safety of the application of nanosilver and nanogold in topical cosmetic preparations. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110416.	5.0	42
42	Step-scan alternating DSC study of melting and crystallisation in poly(ethylene oxide). <i>Polymer</i> , 2004, 45, 1235-1242.	3.8	41
43	Recent developments in polymeric phase change materials for energy storage: poly(ethylene Tj ETQq1 1 0.784314,rgBT /Overlock 10	3.2	41
44	The kinetics of cure of epoxides and related sulphur compounds studied by dynamic DSC. <i>Polymer</i> , 2000, 41, 4381-4388.	3.8	38
45	The Effect of Nanoclay on Dust Generation during Drilling of PA6 Nanocomposites. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8.	2.7	38
46	POSS-Based Polymers. <i>Polymers</i> , 2019, 11, 1727.	4.5	38
47	Natural Fibre-Reinforced Polymer Composites and Nanocomposites for Automotive Applications. , 2011, , 661-700.		37
48	Crystallization behaviour of PEO with carbon-based nanonucleants for thermal energy storage. <i>Thermochimica Acta</i> , 2010, 510, 173-184.	2.7	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.	5.4	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.	3.5	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.	4.9	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.	3.6	33
54	Thermal decomposition of bisphenol A-based polyetherurethanes blown with pentane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 76, 243-248.	5.5	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.	5.2	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.	3.6	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.	2.6	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.	3.2	27
59	Polyoxymethylene-copolymer based composites with PEG-grafted hydroxyapatite with improved thermal stability. <i>Thermochimica Acta</i> , 2016, 633, 98-107.	2.7	26
60	POSS Moieties with PEG Vertex Groups as Diluent in Polyurethane Elastomers: Morphology and Phase Separation. <i>Macromolecules</i> , 2016, 49, 6507-6517.	4.8	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.	7.3	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.	9.2	26
63	Thermal properties of poly(ethylene oxide)/lauric acid blends: A SSA-DSC study. <i>Thermochimica Acta</i> , 2006, 442, 18-24.	2.7	25
64	Microwave-assisted synthesis of carboxymethylcellulose based polymeric surfactants. <i>Polymer Bulletin</i> , 2008, 60, 15-25.	3.3	25
65	Preparation and characterization of PVC/montmorillonite nanocomposites – A review. <i>Journal of Vinyl and Additive Technology</i> , 2009, 15, 61-76.	3.4	25
66	Novel hydrogels containing nanosilver for biomedical applications - synthesis and characterization. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	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.	4.5	24
68	Application of thermal analysis for the investigation of polymer degradation processes. <i>Journal of Thermal Analysis</i> , 1995, 43, 505-508.	0.6	23
69	Rheological properties of some starch-water-sugar systems. <i>International Journal of Food Science and Technology</i> , 1999, 34, 371-383.	2.7	23
70	Preparation and Properties of Biodegradable Slow-Release PAA Superabsorbent Matrixes for Phosphorus Fertilizers. <i>Macromolecular Symposia</i> , 2009, 279, 236-242.	0.7	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.	4.9	23
72	New carbazole-based polymers for dye solar cells with hole-conducting polymer. <i>Synthetic Metals</i> , 2004, 146, 159-165.	3.9	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.	2.7	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.	3.4	22
75	Polyoxymethylene-based nanocomposites with montmorillonite: an introductory study. <i>Polimery</i> , 2006, 51, 143-149.	0.7	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.	3.8	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.	10.2	21
79	Recent Advances in Polyurethane/POSS Hybrids for Biomedical Applications. <i>Molecules</i> , 2022, 27, 40.	3.8	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.	3.8	20
81	Segmented MDI/HMDI-based polyurethanes with lowered flammability. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3214-3224.	2.6	20
82	Thermal decomposition of bisphenol A-based polyetherurethanes blown with pentane. <i>Journal of Analytical and Applied Pyrolysis</i> , 2006, 76, 249-253.	5.5	20
83	Thermal aging and accelerated weathering of PVC/MMT nanocomposites: Structural and morphological studies. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	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.	5.2	20
85	Characterization and Combustion Behavior of Single-Use Masks Used during COVID-19 Pandemic. <i>Materials</i> , 2021, 14, 3501.	2.9	20
86	Thermal decomposition studies of bio-resourced polyamides by thermogravimetry and evolved gas analysis. <i>Thermochimica Acta</i> , 2015, 612, 40-48.	2.7	19
87	Polyurethanes with POSS pendent on flexible hard segments: Morphology and glass transition. <i>Polymer</i> , 2018, 147, 225-236.	3.8	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.	3.6	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.	1.7	19
90	PVC/MMT nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1571-1575.	3.6	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.	3.6	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.	2.1	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.	0.6	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.	3.7	17
95	Thermal properties of new catalysts based on heteropolyanion-doped polyaniline. <i>Synthetic Metals</i> , 1997, 89, 199-202.	3.9	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.	2.6	16
97	Recycling of polypropylene/montmorillonite nanocomposites by pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 119, 1-7.	5.5	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.	3.6	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.	2.7	15
100	Semi-interpenetrating polymer networks of polyurethane and poly(vinyl chloride). <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 80, 147-151.	3.6	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.	3.6	15
102	Thermal stability of gamma-irradiated polyurethane/POSS hybrid materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 49-54.	3.6	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.	2.6	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.	5.8	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.	3.6	13
106	A Kinetic Analysis of the Thermo-Oxidative Degradation of PU/POSS nanohybrid Elastomers. <i>Silicon</i> , 2016, 8, 65-74.	3.3	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.	4.5	13

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109	Nano-hybrid polymers containing polyhedral oligosilsesquioxanes (POSS). <i>Polimery</i> , 2008, 53, 88-98.	0.7	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.	2.7	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.	3.2	12
112	Polyaniline-based catalysts characterized by dynamic DSC. <i>Applied Catalysis A: General</i> , 1997, 161, L25-L28.	4.3	11
113	The Influence of Polyhedral Oligomeric Silsesquioxanes on Domain Microstructure in Polyurethane Elastomers. <i>Silicon</i> , 2013, 5, 205-212.	3.3	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.	4.1	11
115	Thermal Analysis of Selectively-Brominated Polystyrene. <i>Polymer Journal</i> , 1994, 26, 822-827.	2.7	11
116	Chemical Transformation of Lignosulfonates to Lignosulfonamides with Improved Thermal Characteristics. <i>Fibers</i> , 2022, 10, 20.	4.0	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.	2.6	10
118	On Nanoparticles Release from Polymer Nanocomposites for Applications in Lightweight Automotive Components. <i>Journal of Physics: Conference Series</i> , 2013, 429, 012046.	0.4	10
119	PEG-POSS Star Molecules Blended in Polyurethane with Flexible Hard Segments: Morphology and Dynamics. <i>Molecules</i> , 2021, 26, 99.	3.8	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.	2.2	9
121	Simultaneous Plasticization and Doping of Polyaniline Studied by Thermal Analysis Methods. <i>Magyar Árvad Kémlemeznyek</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.	1.8	9
123	The Synthesis and Properties of Liquid Crystalline Polyurethanes, Chemically Modified by Polyhedral Oligomeric silsesquioxanes. <i>Molecules</i> , 2019, 24, 4013.	3.8	9
124	Thermal degradation of POSS-containing nanohybrid linear polyurethanes based on 1,6-hexamethylene diisocyanate. <i>Thermochimica Acta</i> , 2021, 697, 178851.	2.7	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.	2.9	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.	2.6	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.	1.0	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].	0.9	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.	3.2	8
131	Polyurethanes modified with functionalized silsesquioxane synthesis and properties. Polimery, 2013, 58, 783-793.	0.7	8
132	Investigation of the thermal degradation process of polystyrene brominated on the ring. Journal of Thermal Analysis, 1995, 45, 1239-1243.	0.6	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.	2.5	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.	2.9	7
136	Hydration and glass transition of hybrid non-isocyanate polyurethanes with POSS inclusions. Polymer, 2022, 253, 125010.	3.8	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.	0.7	6
139	Molecular and charge mobility of a poloxamer in the bulk and as soft component in polyurethanes. Polymer, 2019, 182, 121821.	3.8	6
140	Molecular dynamics in polyurethane foams chemically reinforced with POSS. Polymer Bulletin, 2019, 76, 2887-2898.	3.3	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.	3.6	6
142	Nanohybrid polyurethane/functionalized silsesquioxane systems. Part I. Structural investigations using FT-IR and NMR methods. Polimery, 2012, 57, 518-528.	0.7	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.	0.7	6
144	Alginate Hydrogels with Aloe vera: The Effects of Reaction Temperature on Morphology and Thermal Properties. Materials, 2022, 15, 748.	2.9	6

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145	Thermogravimetrie als brennbarkeitsbestimmungs-methode für lineare polyurethane. Angewandte Makromolekulare Chemie, 1995, 224, 89-96.	0.2	5
146	Degradation of poly(vinyl chloride) in the presence of 9-(2,3-epoxypropane)carbazole studied by means of TGA/FTIR. Journal of Applied Polymer Science, 1995, 57, 1025-1030.	2.6	5
147	Blends of poly(vinyl chloride) with plasticized polyaniline. Journal of Vinyl and Additive Technology, 2002, 8, 30-35.	3.4	5
148	Kinetics of Isothermal and Nonisothermal Crystallization of Poly(ethylene oxide) (PEO) in PEO/Fatty Acid Blends. Journal of Macromolecular Science - Physics, 2011, 50, 1714-1738.	1.0	5
149	Examining the Influence of Reâ€œUsed Nanofillerâ€Pyrolyzed Montmorillonite, on the Thermal Properties of Polypropyleneâ€œBased Engineering Nanocomposites. Materials, 2019, 12, 2636.	2.9	5
150	Bio-hybrid acrylic hydrogels containing metronidazole â€œ loaded poly(acrylic acid-co-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Polymeric Materials and Polymeric Biomaterials, 2019, 68, 915-923.	3.4	5
151	Investigations on thermal stability of adduct aluminium nitrate(V)-urea (1/6). Journal of Thermal Analysis, 1995, 45, 1245-1253.	0.6	4
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