

Pieter Samyn

List of Publications by Year in descending order

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160
papers

3,052
citations

185998

28
h-index

214527

47
g-index

160
all docs

160
docs citations

160
times ranked

3085
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Based Coatings for Paper Applications. <i>Coatings</i> , 2015, 5, 887-930.	1.2	223
2	Wetting and hydrophobic modification of cellulose surfaces for paper applications. <i>Journal of Materials Science</i> , 2013, 48, 6455-6498.	1.7	157
3	Review of recent research on flexible multifunctional nanopapers. <i>Nanoscale</i> , 2017, 9, 15181-15205.	2.8	126
4	Plant celluloses, hemicelluloses, lignins, and volatile oils for the synthesis of nanoparticles and nanostructured materials. <i>Nanoscale</i> , 2020, 12, 22845-22890.	2.8	108
5	Review: nanoparticles and nanostructured materials in papermaking. <i>Journal of Materials Science</i> , 2018, 53, 146-184.	1.7	104
6	The tribological behaviour of engineering plastics during sliding friction investigated with small-scale specimens. <i>Wear</i> , 2002, 253, 673-688.	1.5	99
7	Effect of NaOH content on hydration, mineralogy, porosity and strength in alkali/sulfate-activated binders from ground granulated blast furnace slag and phosphogypsum. <i>Cement and Concrete Research</i> , 2020, 132, 106054.	4.6	83
8	Effect of homogenization (microfluidization) process parameters in mechanical production of micro- and nanofibrillated cellulose on its rheological and morphological properties. <i>Cellulose</i> , 2016, 23, 1221-1238.	2.4	81
9	Nanocellulose-Based Materials for Water Treatment: Adsorption, Photocatalytic Degradation, Disinfection, Antifouling, and Nanofiltration. <i>Nanomaterials</i> , 2021, 11, 3008.	1.9	63
10	Nanocelluloses as skin biocompatible materials for skincare, cosmetics, and healthcare: Formulations, regulations, and emerging applications. <i>Carbohydrate Polymers</i> , 2022, 278, 118956.	5.1	60
11	Friction and Wear Mechanisms of Sintered and Thermoplastic Polyimides under Adhesive Sliding. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 523-556.	1.7	57
12	Friction, wear and transfer of pure and internally lubricated cast polyamides at various testing scales. <i>Wear</i> , 2007, 262, 1433-1449.	1.5	54
13	Microwave assisted and conventional pyrolysis of MDF – Characterization of the produced biochars. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 138, 218-230.	2.6	52
14	Modifications of paper and paperboard surfaces with a nanostructured polymer coating. <i>Progress in Organic Coatings</i> , 2010, 69, 442-454.	1.9	51
15	Sliding behaviour of pure polyester and polyester-PTFE filled bulk composites in overload conditions. <i>Polymer Testing</i> , 2005, 24, 588-603.	2.3	50
16	A platform for functionalization of cellulose, chitin/chitosan, alginate with polydopamine: A review on fundamentals and technical applications. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 71-93.	3.6	49
17	Creating water-repellent and super-hydrophobic cellulose substrates by deposition of organic nanoparticles. <i>Materials Letters</i> , 2011, 65, 1781-1784.	1.3	47
18	On the SEM features of glass/polyester composite system subjected to dry sliding wear. <i>Wear</i> , 2006, 261, 703-714.	1.5	41

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19	Tribological properties of PTFE-filled thermoplastic polyimide at high load, velocity, and temperature. <i>Polymer Composites</i> , 2009, 30, 1631-1646.	2.3	41
20	Thermochemical sliding interactions of short carbon fiber polyimide composites at high pv-conditions. <i>Materials Chemistry and Physics</i> , 2009, 115, 185-195.	2.0	37
21	Synthesis and characterization of imidized poly(styrene-maleic anhydride) nanoparticles in stable aqueous dispersion. <i>Polymers for Advanced Technologies</i> , 2012, 23, 311-325.	1.6	37
22	Physicochemical and thermal characterization of poly (3-hydroxybutyrate-co-4-hydroxybutyrate) films incorporating thyme essential oil for active packaging of white bread. <i>Food Control</i> , 2022, 133, 108688.	2.8	35
23	Quality and Statistical Classification of Brazilian Vegetable Oils Using Mid-Infrared and Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2012, 66, 552-565.	1.2	33
24	Quality of Brazilian vegetable oils evaluated by (modulated) differential scanning calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 1353-1365.	2.0	33
25	Softening and melting mechanisms of polyamides interfering with sliding stability under adhesive conditions. <i>Polymer</i> , 2006, 47, 5050-5065.	1.8	29
26	The lubricity of graphite flake inclusions in sintered polyimides affected by chemical reactions at high temperatures. <i>Carbon</i> , 2008, 46, 1072-1084.	5.4	29
27	Paper coatings with multi-scale roughness evaluated at different sampling sizes. <i>Applied Surface Science</i> , 2011, 257, 5613-5625.	3.1	29
28	Friction, wear and material transfer of sintered polyimides sliding against various steel and diamond-like carbon coated surfaces. <i>Tribology International</i> , 2006, 39, 575-589.	3.0	28
29	Wear transitions and stability of polyoxymethylene homopolymer in highly loaded applications compared to small-scale testing. <i>Tribology International</i> , 2007, 40, 819-833.	3.0	28
30	Polymerizable Biomimetic Vesicles with Controlled Local Presentation of Adhesive Functional DOPA Groups. <i>Langmuir</i> , 2010, 26, 8573-8581.	1.6	27
31	Large-scale tests on friction and wear of engineering polymers for material selection in highly loaded sliding systems. <i>Materials & Design</i> , 2006, 27, 535-555.	5.1	26
32	Influence of Internal Lubricants (PTFE and Silicon Oil) in Short Carbon Fibre-Reinforced Polyimide Composites on Performance Properties. <i>Tribology Letters</i> , 2009, 36, 135-146.	1.2	26
33	Micro- to nanoscale surface morphology and friction response of tribological polyimide surfaces. <i>Applied Surface Science</i> , 2010, 256, 3394-3408.	3.1	26
34	Incorporating different vegetable oils into an aqueous dispersion of hybrid organic nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	25
35	Polydopamine and Cellulose: Two Biomaterials with Excellent Compatibility and Applicability. <i>Polymer Reviews</i> , 2021, 61, 814-865.	5.3	25
36	Friction and wear of acetal: A matter of scale. <i>Wear</i> , 2005, 259, 697-702.	1.5	24

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37	Friction of polyoxymethylene homopolymer in highly loaded applications extrapolated from small-scale testing. <i>Tribology Letters</i> , 2005, 19, 177-189.	1.2	24
38	Radiological and leaching assessment of an ettringite-based mortar from ladle slag and phosphogypsum. <i>Cement and Concrete Research</i> , 2020, 128, 105954.	4.6	24
39	Morphology, Rheology and Crystallization in Relation to the Viscosity Ratio of Polystyrene/Polypropylene Polymer Blends. <i>Materials</i> , 2020, 13, 926.	1.3	24
40	Wear behavior of carbon fiber-reinforced poly(phenylene sulfide). <i>Polymer Composites</i> , 2006, 27, 92-98.	2.3	23
41	Postmortem Raman Spectroscopy Explaining Friction and Wear Behavior of Sintered Polyimide at High Temperature. <i>Journal of Materials Engineering and Performance</i> , 2006, 15, 750-757.	1.2	23
42	Insights in the molecular structure of low- and high-molecular weight poly(styrene-maleic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	1.8	23
43	The sliding behaviour of sintered and thermoplastic polyimides investigated by thermal and Raman spectroscopic measurements. <i>Wear</i> , 2008, 264, 869-876.	1.5	22
44	Metastable Patterning of Plasma Nanocomposite Films by Incorporating Cellulose Nanowhiskers. <i>Langmuir</i> , 2012, 28, 1427-1438.	1.6	22
45	Effect of test scale on the friction properties of pure and internal-lubricated cast polyamides at running-in. <i>Polymer Testing</i> , 2007, 26, 660-675.	2.3	21
46	Calculation and significance of the maximum polymer surface temperature $\langle T \rangle^*$ in reciprocating cylinder-plate sliding. <i>Polymer Engineering and Science</i> , 2008, 48, 774-785.	1.5	21
47	Cellulose Nanofibers: Fabrication and Surface Functionalization Techniques. , 2019, , 409-449.		21
48	How Thermal Curing of an Organic Paper Coating Changes Topography, Chemistry, and Wettability. <i>Langmuir</i> , 2011, 27, 8509-8521.	1.6	20
49	Effects of atmospheric plasma treatment on adhesion and tribology of aromatic thermoplastic polymers. <i>Polymer Engineering and Science</i> , 2018, 58, E93.	1.5	20
50	Charge-Discharge Characteristics of Textile Energy Storage Devices Having Different PEDOT:PSS Ratios and Conductive Yarns Configuration. <i>Polymers</i> , 2019, 11, 345.	2.0	20
51	Large-scale friction and wear tests on a hybrid UHMWPE-pad/primer coating combination used as bearing element in an extremely high-loaded ball-joint. <i>Tribology International</i> , 2006, 39, 796-811.	3.0	19
52	Experimental extrapolation model for friction and wear of polymers on different testing scales. <i>International Journal of Mechanical Sciences</i> , 2008, 50, 1390-1403.	3.6	19
53	Thermal transitions in polyimide transfer under sliding against steel, investigated by Raman spectroscopy and thermal analysis. <i>Journal of Applied Polymer Science</i> , 2006, 101, 1407-1425.	1.3	18
54	Radiological and non-radiological leaching assessment of alkali-activated materials containing ground granulated blast furnace slag and phosphogypsum. <i>Science of the Total Environment</i> , 2019, 660, 1098-1107.	3.9	18

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55	Characterisation of polyimides under high-temperature sliding. <i>Materials Letters</i> , 2005, 59, 2850-2857.	1.3	17
56	Application of polymer nanoparticle coating for tuning the hydrophobicity of cellulosic substrates. <i>Journal of Coatings Technology Research</i> , 2011, 8, 363-373.	1.2	17
57	Role of internal additives in the friction and wear of carbon fiber reinforced polyimide. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1146-1156.	1.3	16
58	Relation between optical non-contact profilometry and AFM roughness parameters on coated papers with oil-filled nanoparticles. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 82, 75-93.	2.5	16
59	Hydrophobic waterborne coating for cellulose containing hybrid organic nanoparticle pigments with vegetable oils. <i>Cellulose</i> , 2013, 20, 2625-2646.	2.4	15
60	Performance of organic nanoparticle coatings for hydrophobization of hardwood surfaces. <i>Journal of Coatings Technology Research</i> , 2014, 11, 461-471.	1.2	15
61	Synthesis of Polyhydroxybutyrate Particles with Micro-to-Nanosized Structures and Application as Protective Coating for Packaging Papers. <i>Nanomaterials</i> , 2017, 7, 5.	1.9	15
62	Biochar from raw and spent common ivy: Impact of preprocessing and pyrolysis temperature on biochar properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105294.	2.6	15
63	Friction and Thermal Effects of Engineering Plastics Sliding Against Steel and DLN-Coated Counterfaces. <i>Tribology Letters</i> , 2004, 17, 269-288.	1.2	14
64	Mechanism for Tuning the Hydrophobicity of Microfibrillated Cellulose Films by Controlled Thermal Release of Encapsulated Wax. <i>Materials</i> , 2014, 7, 7196-7216.	1.3	13
65	Kaolinite Nanocomposite Platelets Synthesized by Intercalation and Imidization of Poly(styrene-co-maleic anhydride). <i>Materials</i> , 2015, 8, 4363-4388.	1.3	13
66	Tribological properties and thermomechanical analysis of unsaturated polyester fabric composite in oscillating line-contact sliding. <i>Tribology International</i> , 2016, 99, 127-139.	3.0	13
67	The Sycamore Maple Bacterial Culture Collection From a TNT Polluted Site Shows Novel Plant-Growth Promoting and Explosives Degrading Bacteria. <i>Frontiers in Plant Science</i> , 2018, 9, 1134.	1.7	13
68	Numerical prediction of the mean residence time of solid materials in a pilot-scale rotary kiln. <i>Powder Technology</i> , 2019, 354, 392-401.	2.1	13
69	Thermal and spectroscopic analysis of worn polyoxymethylene surfaces and wear debris explaining degradation and polymerisation mechanisms. <i>Journal of Polymer Research</i> , 2007, 14, 411-422.	1.2	12
70	Temperature Effects on Friction and Wear of Thermoset Polyester Fabric Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1003-1016.	1.9	12
71	Alkali-activated materials for radionuclide immobilisation and the effect of precursor composition on Cs/Sr retention. <i>Journal of Nuclear Materials</i> , 2018, 510, 575-584.	1.3	12
72	Fenton-Mediated Biodegradation of Chlorendic Acid – A Highly Chlorinated Organic Pollutant – By Fungi Isolated From a Polluted Site. <i>Frontiers in Microbiology</i> , 2019, 10, 1892.	1.5	12

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73	Novel processing of polyhydroxybutyrate with micro- to nanofibrillated cellulose and effect of fiber morphology on crystallization behaviour of composites. EXPRESS Polymer Letters, 2020, 14, 115-133.	1.1	12
74	Engineering the Cellulose Fiber Interface in a Polymer Composite by Mussel-Inspired Adhesive Nanoparticles with Intrinsic Stress-Sensitive Responsivity. ACS Applied Materials & Interfaces, 2020, 12, 28819-28830.	4.0	12
75	LiNi _{0.5} Mn _{1.5} O ₄ (LNMO) as Co-free cathode for lithium ion batteries via solution-gel synthesis: Particle size and morphology investigation. Journal of Alloys and Compounds, 2022, 892, 162175.	2.8	12
76	Colorimetric sensing properties of catechol-functional polymerized vesicles in aqueous solution and at solid surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 242-254.	2.3	11
77	The effect of gamma radiation on the mechanical and microstructural properties of Fe-rich inorganic polymers. Journal of Nuclear Materials, 2019, 521, 126-136.	1.3	11
78	Extrusion and Injection Molding of Poly(3-Hydroxybutyrate-co-3-Hydroxyhexanoate) (PHBHHx): Influence of Processing Conditions on Mechanical Properties and Microstructure. Polymers, 2021, 13, 4012.	2.0	11
79	On the Repeatability of Friction and Wear Tests for Polyimides in a Hertzian Line Contact. Experimental Mechanics, 2008, 48, 233-246.	1.1	10
80	Hybrid palm-oil/styrene-maleimide nanoparticles synthesized in aqueous dispersion under different conditions. Journal of Microencapsulation, 2015, 32, 336-348.	1.2	10
81	Reaction efficiency and retention of poly(styrene-co-maleimide) nanoparticles deposited on fibrillated cellulose surfaces. Carbohydrate Polymers, 2016, 141, 244-252.	5.1	10
82	Shrinkage behavior after the heat setting of biaxially stretched poly(ethylene 2,6-naphthalate) films and bottles. Journal of Applied Polymer Science, 2003, 87, 1462-1473.	1.3	9
83	The effect of processing method on dry sliding performance of polyimides at high load/high velocity conditions. European Polymer Journal, 2008, 44, 716-732.	2.6	9
84	Self-lubricating and self-protecting properties of polymer composites for wear and friction applications. Polymer Composites, 2009, 30, 932-940.	2.3	9
85	Evaluation of morphology and deposits on worn polyimide/graphite composite surfaces by contact-mode AFM. Wear, 2010, 270, 57-72.	1.5	9
86	Fracture Assessment of Carbon Fibre/Epoxy Reinforcing Rings through a Combination of Full-Scale Testing, Small-Scale Testing and Stress Modeling. Applied Composite Materials, 2006, 13, 57-85.	1.3	8
87	Engineered nanomaterials for papermaking industry. , 2018, , 245-277.		8
88	Deformation of reinforced polymer bearing elements on full-scale compressive strength and creep tests under yielding conditions. Polymer Testing, 2006, 25, 230-245.	2.3	7
89	Plasma deposition of polymer composite films incorporating nanocellulose whiskers. EPJ Applied Physics, 2011, 56, 24015.	0.3	7
90	Morphologies and Thermal Variability of Patterned Polymer Films with Poly(styrene-co-maleic) Tj ETQq0 0 0 rgBT /Oygrlock 10 Tf 50 62 T	2.0	7

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91	Rheological Properties and Processing of Polymer Blends with Micro- and Nanofibrillated Cellulose. , 2015, , 259-291.		7
92	Synthesis of imidized nanoparticles containing soy oil under various reaction conditions. European Polymer Journal, 2015, 66, 78-90.	2.6	7
93	Reciprocating sliding of polyester textile fabric composites along different fabric orientations. Journal of Composite Materials, 2017, 51, 221-240.	1.2	7
94	X-ray absorption as an alternative method to determine the exhausting degree of activated carbon layers in water treatment system for medical services. Talanta, 2019, 205, 120058.	2.9	7
95	Friction induced conformational changes on large-scale and small-scale polyester sliding surfaces. Surface and Interface Analysis, 2006, 38, 868-872.	0.8	6
96	Influence of Re-adhesion on the Wear and Friction of Glass Fibreâ€“Reinforced Polyester Composites. Journal of Adhesion, 2006, 82, 1033-1060.	1.8	6
97	Design of a tribotester for evaluation of polymer components under static and dynamic sliding conditions. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2007, 221, 661-674.	1.0	6
98	Tribochemical reactions on polyimide sliding surfaces evaluated with Raman spectroscopy and atomic force microscopy. Surface and Interface Analysis, 2008, 40, 853-857.	0.8	6
99	Novel production method for in-situ hydrophobization of a microfibrillated cellulose network. Materials Letters, 2014, 120, 196-199.	1.3	6
100	Thermo-analytical study on transitions in styreneâ€“maleic anhydride copolymers with low- and high-molecular weights. Thermochimica Acta, 2014, 580, 28-37.	1.2	6
101	Rheological behaviour of oil-filled polymer nanoparticles in aqueous dispersion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 499, 31-45.	2.3	6
102	Rheology of fibrillated cellulose suspensions after surface modification by organic nanoparticle deposits. Journal of Materials Science, 2016, 51, 9830-9848.	1.7	6
103	Micromechanical and microstructural analysis of Fe-rich plasma slag-based inorganic polymers. Cement and Concrete Composites, 2021, 118, 103968.	4.6	6
104	Active Barrier Coating for Packaging Paper with Controlled Release of Sunflower Oils. Molecules, 2021, 26, 3561.	1.7	6
105	Corrosion Protection of Aluminum by Hydrophobization Using Nanoparticle Polymer Coatings Containing Plant Oil. Journal of the Brazilian Chemical Society, 2014, , .	0.6	6
106	Large-Scale Evaluation of Constrained Bearing Elements Made of Thermosetting Polyester Resin and Polyester Fabric Reinforcement. Journal of Tribology, 2006, 128, 681-696.	1.0	5
107	Ethylene Vinyl Alcohol Copolymer (EVOH) as a Functional Barrier against Surrogate Components Migrating from Paperboard. Journal of Chemistry, 2019, 2019, 1-7.	0.9	5
108	Confining acrylate-benzophenone copolymers into adhesive micropads by photochemical crosslinking. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 377, 80-91.	2.0	5

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109	Natural Rubber Composites for Paper Coating Applications. , 0, , .		5
110	Fe-TiO ₂ /AC and Co-TiO ₂ /AC Composites: Novel Photocatalysts Prepared from Waste Streams for the Efficient Removal and Photocatalytic Degradation of Cibacron Yellow F-4G Dye. <i>Catalysts</i> , 2021, 11, 1137.	1.6	5
111	Characterization of composites for use in the ballâ€¢oints of the Maeslant storm surge barrier. <i>Polymer Composites</i> , 2007, 28, 470-478.	2.3	4
112	Global analysis and constructional aspects in the redesign of bearing elements for a movable storm surge barrier. <i>Engineering Structures</i> , 2007, 29, 2673-2691.	2.6	4
113	Full-scale analysis of deformation and stress distribution for constrained composite bearing elements under compressive yielding conditions. <i>Materials & Design</i> , 2007, 28, 2450-2470.	5.1	4
114	On the efficiency of internal lubricants for polymers under different sliding conditions. <i>Journal of Vinyl and Additive Technology</i> , 2008, 14, 126-135.	1.8	4
115	Thermal release of vegetable oils loaded in hydrophobic polymer nanoparticles. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 56-71.	1.0	4
116	Lateral mapping of poly(styrene-co-maleimide) nanoparticle coatings on paper by confocal Raman microscopy. <i>Vibrational Spectroscopy</i> , 2017, 88, 27-39.	1.2	4
117	Native Crystalline Polysaccharide Nanofibers: Processing and Properties. , 2018, , 1-36.		4
118	Adhesion and sliding tribological properties of polyolefins treated by diffuse coplanar surface barrier discharges. <i>EXPRESS Polymer Letters</i> , 2018, 12, 972-985.	1.1	4
119	Improvement of a new acoustic emission analysis technique to determine the activated carbon saturation level: A comparative study. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103794.	3.3	4
120	Tribophysical phenomena on sliding surfaces of polyester composites evaluated by spectroscopic and thermal analysis. <i>Tribology Letters</i> , 2006, 24, 229-235.	1.2	3
121	Large-scale specimen testing on friction and wear of pure and internally lubricated cast polyamides. <i>TriboTest Journal: Tribology and Lubrication in Practice</i> , 2006, 12, 237-256.	0.7	3
122	Fluorescent sensibility of microarrays through functionalized adhesive polydiacetylene vesicles. <i>Sensors and Actuators A: Physical</i> , 2014, 214, 45-57.	2.0	3
123	Tuning thermal release kinetics of soy oil from organic nanoparticles using variable synthesis conditions. <i>Particuology</i> , 2016, 26, 54-65.	2.0	3
124	Surface Chemistry of Oil-Filled Organic Nanoparticle Coated Papers Analyzed Using Micro-Raman Mapping. <i>Applied Spectroscopy</i> , 2019, 73, 000370281880486.	1.2	3
125	Dewetting and photochemical crosslinking of adhesive pads onto lithographically patterned surfaces. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47321.	1.3	3
126	Self-assembly of microsystem components with micrometer gluing pads through capillary forces. <i>Journal of Manufacturing Processes</i> , 2020, 53, 376-387.	2.8	3

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127	Determination of Friction and Wear of Engineering Polymers by Means of Large-Scale Specimen Testing. Materials Science Forum, 2005, 475-479, 1077-1082.	0.3	2
128	Reciprocative sliding friction and wear properties of electrical discharge machined ZrO ₂ -based composites. Lubrication Science, 2009, 21, 378-396.	0.9	2
129	Gloss, hydrophobicity and surface texture of papers with organic nanoparticle coatings. Nordic Pulp and Paper Research Journal, 2013, 28, 28-41.	0.3	2
130	The effect of temperature and drawing ratio on the mechanical properties of polypropylene monofilaments. , 2014, , .		2
131	Specular gloss versus surface topography for oil-filled nanoparticle coatings on paper. Color Research and Application, 2016, 41, 596-610.	0.8	2
132	Cellulose Nanofibers: Fabrication and Surface Functionalization Techniques. , 2019, , 1-41.		2
133	Online Wear Monitoring of Polymer Matrix Composites. Materials Science Forum, 2007, 561-565, 635-638.	0.3	1
134	A Combination of Mathematical Morphology and Thermal Analysis of Wear Debris Explaining Polymer Sliding Mechanisms. Materials Science Forum, 2007, 561-565, 2237-2240.	0.3	1
135	Fast characterization of carbon/epoxy rings for use in the ball-joints of the Maeslant storm surge barrier. Composite Structures, 2007, 78, 359-367.	3.1	1
136	TRIBOPHYSICAL INTERPRETATION OF POLYMER SLIDING MECHANISMS. , 2009, , 38-73.		1
137	Influence of synthesis conditions on thermal release of palm oil as liquid core filled in polymeric nanoparticles. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1973-1986.	2.0	1
138	Nanoparticle Structures with (Un-)Hydrogenated Castor Oil as Hydrophobic Paper Coating. Journal of Nanoscience and Nanotechnology, 2018, 18, 3639-3653.	0.9	1
139	Compression Molding of Polyhydroxybutyrate Nano-Composite Films as Coating on Paper Substrates. Materials Proceedings, 2020, 2, 31.	0.2	1
140	Monitoring Variations in Thermal Curing of Nanoparticle Coatings through Confocal Raman Microscopy and Principal Component Analysis. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900651.	0.8	1
141	Native Crystalline Polysaccharide Nanofibers: Processing and Properties. , 2019, , 287-321.		1
142	Orientation and Degradation of Polymer Sliding Surfaces Evaluated by Raman Spectroscopy. , 2005, , .		1
143	Atomic Force Microscopy of Sintered and Thermoplastic Polyimide Surfaces after Macroscopic Wear Tests. Materials Science Forum, 0, , 2469-2472.	0.3	1
144	Algae for Nanocellulose Production. Nanotechnology in the Life Sciences, 2021, , 293-343.	0.4	1

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145	Current Alternatives for In-Can Preservation of Aqueous Paints: A Review. , 2021, 7, .		1
146	Active coating for packaging papers with controlled thermal release of encapsulated plant oils. Surfaces and Interfaces, 2022, 32, 102106.	1.5	1
147	Atomic Force Microscopy of Sintered and Thermoplastic Polyimide Surfaces after Macroscopic Wear Tests. Materials Science Forum, 2007, 561-565, 2469-2472.	0.3	0
148	Frictional Behavior of Glass Fiber Reinforced Polyester under Different Loads. Materials Science Forum, 2007, 561-565, 639-642.	0.3	0
149	Acoustic Emission as Analyzing Tool for Wear Mechanisms of Composite Materials. Materials Science Forum, 2007, 561-565, 2193-2196.	0.3	0
150	A Relation between Laboratory and Full-Scale Testing of Polyester/Polyester Composites under Static and Dynamic Load. Materials Science Forum, 2007, 561-565, 725-728.	0.3	0
151	SCALING EFFECTS IN TRIBOTESTING OF POLYMERS. , 2009, , 74-107.		0
152	Frictional stability of pure and internally lubricated polyamides on a meso-scale tribotester. Industrial Lubrication and Tribology, 2009, 61, 100-110.	0.6	0
153	Surface-Attached, Polymerized Vesicles Exposing Adhesive Peptide Functionalities. ACS Symposium Series, 2011, , 225-248.	0.5	0
154	Design of interfaces with lithographically patterned adhesive pads for gluing at the microscale. International Journal of Adhesion and Adhesives, 2018, 85, 88-99.	1.4	0
155	Raman Microscopy for Classification and Chemical Surface Mapping of Barrier Coatings on Paper with Oil-Filled Organic Nanoparticles. Coatings, 2018, 8, 154.	1.2	0
156	Self-Healing of a Soft Primer Coating Caused by Plasticization during Sliding against UHMWPE. , 2009, , 260-261.		0
157	Melt-Processing of Biopolymer Composites with Nanocellulose Additives. , 2020, , 28-36.		0
158	Design of Cellulose Interfaces through Self-Assembly of Adhesive Peptides with Intrinsic Stress Sensitive Properties. , 2020, 69, .		0
159	Plasma-Induced Fibrillation and Surface Functionalization of Cellulose Microfibrils. Engineering Proceedings, 2021, 11, .	0.4	0
160	Fractionation and Homogenization of Recuperated Pulp Fibers from Brazilian Paper and Pulp Industry. , 2021, 13, .		0