

CITATION REPORT

List of articles citing

Estimation of the surface free energy of polymers

DOI: 10.1002/app.1969.070130815

Journal of Applied Polymer Science, 1969, 13, 1741-1747.

Source: <https://exaly.com/paper-pdf/9863876/citation-report.pdf>

Version: 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| # | Paper | IF | Citations |
|------|--|----|-----------|
| 2269 | Enzymes as Biodevelopers for Nano- And Micropatterned Bicomponent Biopolymer Thin Films. | | |
| 2268 | Versatile Interpenetrating Polymer Network Approach to Robust Stretchable Electronic Devices. | | |
| 2267 | Does Hydrophilic Polydopamine Coating Enhance Membrane Rejection of Hydrophobic Endocrine-Disrupting Compounds?. | | |
| 2266 | Wettability of Complex Fluids and Surfactant Capped Nanoparticle-Induced Quasi-Universal Wetting Behavior. | | |
| 2265 | Time Evolution of the Wettability of Supported Graphene under Ambient Air Exposure. | | |
| 2264 | Morphology of Nanostructured Polymer Brushes Dependent on Production and Treatment. | | |
| 2263 | Chain Conformation near the Buried Interface in Nanoparticle-Stabilized Polymer Thin Films. | | |
| 2262 | Nanoconfinement Induced Direct Formation of Form I and III Crystals inside in Situ Formed Poly(butene-1) Nanofibrils. | | |
| 2261 | Influence of Topological Cues on Fibronectin Adsorption and Contact Guidance of Fibroblasts on Microgrooved Titanium. | | |
| 2260 | Enhanced Output Performance of All-Solution-Processed Organic Thermoelectrics: Spray Printing and Interface Engineering. | | |
| 2259 | Free-Standing, Flexible, Superomniphobic Films. | | |
| 2258 | Importance of Substrate Functionality on the Adhesion and Debonding of a Pressure-Sensitive Adhesive under Water. | | |
| 2257 | Texture-Dependent Adhesion in Polydopamine Nanomembranes. | | |
| 2256 | En Route to Practicality of the Polymer Grafting Technology: One-Step Interfacial Modification with Amphiphilic Molecular Brushes. | | |
| 2255 | Ligand-Asymmetric Janus Quantum Dots for Efficient Blue-Quantum Dot Light-Emitting Diodes. | | |
| 2254 | Bionic Fish-Scale Surface Structures Fabricated via Air/Water Interface for Flexible and Ultrasensitive Pressure Sensors. | | |
| 2253 | Self-Assembling ProteinPolymer Bioconjugates for Surfaces with Antifouling Features and Low Nonspecific Binding. | | |

- 2252 Highk Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors.
- 2251 Self-Healable Superomniphobic Surfaces for Corrosion Protection.
- 2250 Impact of Donor-Acceptor Interaction and Solvent Additive on the Vertical Composition Distribution of Bulk Heterojunction Polymer Solar Cells.
- 2249 The Role of Surface Tension in the Crystallization of Metal Halide Perovskites.
- 2248 Directed Self-Assembly of High Poly(styrene-*b*-(lactic acid-*alt*-glycolic acid)) Block Copolymers on Chemical Patterns via Thermal Annealing.
- 2247 A Short-Chain Multibranched Perfluoroalkyl Thiol for More Sustainable Hydrophobic Coatings.
- 2246 .
- 2245 Nanoplasmonic Sensing at the Carbon-Bio Interface: Study of Protein Adsorption at Graphitic and Hydrogenated Carbon Surfaces.
- 2244 Anomalous Wetting of Underliquid Systems: Oil Drops in Water and Water Drops in Oil.
- 2243 Attainment of Water and Oil Repellency for Engineering Thermoplastics without Long-Chain Perfluoroalkyls: Perfluoropolyether-Based Triblock Polyester Additives.
- 2242 Contribution of Surface Energy to pH-Dependent Underwater Adhesion of an Acrylic Pressure-Sensitive Adhesive.
- 2241 Superhydrophobic Coatings with Edible Materials.
- 2240 Parallel Control over Surface Charge and Wettability Using Polyelectrolyte Architecture: Effect on Protein Adsorption and Cell Adhesion.
- 2239 Strontium-Doped Bioactive Glass Nanoparticles in Osteogenic Commitment.
- 2238 Multifunctional Wet-Spun Filaments through Robust Nanocellulose Networks Wrapping to Single-Walled Carbon Nanotubes.
- 2237 Novel WS₂-Based Nanofluids for Concentrating Solar Power: Performance Characterization and Molecular-Level Insights.
- 2236 Synthesis of a Fluoromethacrylate-Hydroxystyrene Block Copolymer Capable of Rapidly Forming Sub-5 nm Domains at Low Temperatures.
- 2235 Effect of Structure and Disorder on the Charge Transport in Defined Self-Assembled Monolayers of Organic Semiconductors.

- 2234 WSe₂ Nanosheets Synthesized by a Solvothermal Process as Advanced Nanofluids for Thermal Solar Energy.
- 2233 Understanding of Imine Substitution in Wide-Bandgap Polymer Donor-Induced Efficiency Enhancement in All-Polymer Solar Cells.
- 2232 Scaling Resistance in Nanophotonics-Enabled Solar Membrane Distillation.
- 2231 Adhesion improvement between metal thin films (Cu and Pt) and high surface free energy polyimide by ion assisted reaction.
- 2230 Interaction between lubricants and plastic bearing surfaces. **1971**, 18, 311-323 28
- 2229 Comments on Interaction between lubricants and plastic bearing surfaces [1971, 18, 481-484
- 2228 Reply to the comments by A. C. Lowe on Interaction between lubricants and plastic bearing surfaces [1971, 18, 487
- 2227 Rheology of Adhesion. **1971**, 6, 85-112 18
- 2226 Effect of Wetting Liquids on the Strength of Adhesion of Viscoelastic Material. **1972**, 3, 281-294 433
- 2225 Surface-Chemical Criteria for Optimum Adhesion. **1972**, 4, 123-132 89
- 2224 Solubility of polymers in relation to surface tension and index of refraction. **1972**, 8, 1055-1066 16
- 2223 Frictional properties of polyethylene. **1972**, 19, 37-52 22
- 2222 Surface and interfacial tension of polymer liquids [review. **1972**, 12, 1-11 65
- 2221 On Hamaker constants: A comparison between Hamaker constants and Lifshitz-van der Waals constants. **1972**, 3, 331-363 712
- 2220 A comparison of contact angle interpretations. **1973**, 44, 63-71 49
- 2219 Components of solid surface free energy from wetting measurements. **1973**, 44, 142-161 104
- 2218 Surface tension of low-energy solids. **1973**, 44, 173-174 4
- 2217 A method for determining surface energy of solids. **1973**, 11, 311-318 39

| | | |
|------|--|-----|
| 2216 | Polar and Nonpolar Interactions in Adhesion. 1973 , 5, 39-55 | 407 |
| 2215 | Contact angles and their temperature dependence: thermodynamic status, measurement, interpretation and application. 1974 , 4, 105-191 | 426 |
| 2214 | Tensions de surface et adhésivité. 1974 , 13, 318-322 | 1 |
| 2213 | Calculation of surface free energy components of ice according to its wettability by water, chlorobenzene, and carbon disulfide. 1974 , 46, 185-190 | 35 |
| 2212 | On the surface thermodynamics of a two-component liquid-vapor-ideal solid system. 1974 , 49, 286-290 | 130 |
| 2211 | Interfacial and Surface Tensions of Polymers. 1974 , 10, 1-73 | 259 |
| 2210 | Interaction of Polar Forces and Their Contribution to the Work of Adhesion. 1974 , 6, 293-301 | 17 |
| 2209 | Industrial applications of the surface activity of polydimethylsiloxanes. 1975 , 7, 235-245 | 4 |
| 2208 | Crockfastness of Polyacrylate Textile Pigment-Printing Binders: Effect of Binder Mechanical Properties and Adhesion to Fabric. 1975 , 7, 109-119 | 7 |
| 2207 | Bestimmung des benetzungsverhaltens von pigmenten. 1975 , 3, 323-348 | 11 |
| 2206 | The mechanics and energetics of macromolecular interfaces. 1975 , 52, 174-194 | |
| 2205 | Hydrocryn: an aid to retention?. 1976 , 4, 33-41 | 6 |
| 2204 | Surface energy of fluorinated surfaces. 1976 , 8, 69-88 | 36 |
| 2203 | Versamlungsberichte. 1976 , 48, 495-498 | |
| 2202 | Thermomechanical Behavior of Nonwovens: Part I: Responses to Changes in Processing and Post-Bonding Variables. 1976 , 46, 405-417 | 9 |
| 2201 | Crockfastness of Polyacrylate and Nitrile Rubber Pigment-Printing Binders. 1976 , 46, 444-447 | |
| 2200 | Polar and Dispersion Contributions to Solid Surface Tension a Reconsideration of Their Mathematical Evaluation. 1976 , 7, 257-259 | 12 |
| 2199 | Critical review of concepts common to cohesive energy density, surface tension, tensile strength, heat of mixing, interfacial tension and butt joint strength. 1977 , 5, 1-20 | 13 |

| | | |
|------|---|-----|
| 2198 | Surface properties of high-energy solids. 1977 , 59, 272-276 | 169 |
| 2197 | Surface properties of high-energy solids. 1977 , 59, 277-282 | 124 |
| 2196 | Surface free energy of solids and liquids: Thermodynamics, molecular forces, and structure. 1977 , 59, 398-419 | 170 |
| 2195 | Solid-liquid adhesion of oxidized polyethylene films. Effect of temperature on polar forces. 1977 , 59, 516-524 | 19 |
| 2194 | Critical review of concepts common to cohesive energy density, surface tension, tensile strength, heat of mixing, interfacial tension, and butt joint strength. 1977 , 59, 582-596 | 28 |
| 2193 | Surface energy analysis of several organic polymers. 1977 , 60, 112-116 | 33 |
| 2192 | Adsorption of plasma proteins on hydrophobic surfaces. I. Albumin and gamma-globulin. 1977 , 11, 947-78 | 25 |
| 2191 | Polar and dispersion force contributions to the total surface free energy of wood. 1978 , 12, 63-74 | 40 |
| 2190 | Clotting Phenomena at the Blood-Polymer Interface and Development of Blood Compatible Polymeric Surfaces. 1978 , 10, 267-274 | 26 |
| 2189 | Effect of surface polarity on self-adhesion of polymers. 1978 , 19, 1083-1088 | 33 |
| 2188 | Adsorption of plasma proteins on hydrophobic surfaces. III. Serum, plasma, and blood. 1978 , 12, 707-21 | 10 |
| 2187 | Interfacial Energy, Structure, and Adhesion between Polymers. 1978 , 243-293 | 34 |
| 2186 | Contact Angles and the Surface Free Energy of Solids. 1979 , 1-29 | 54 |
| 2185 | Some observations on octane contact angles in aqueous media. 1979 , 68, 387-388 | 11 |
| 2184 | Surface tension of solids: An equation of state analysis. 1979 , 71, 605-609 | 59 |
| 2183 | Surface tension and surface free energy of polymers. 1979 , 11, 195-233 | 27 |
| 2182 | The science of adhesion. 1980 , 15, 2141-2166 | 361 |
| 2181 | Adsorption of plasma proteins on hydrophobic surfaces. IV. Contact angle studies on implanted polymers. 1980 , 14, 1-10 | 31 |

| | | |
|------|--|-----|
| 2180 | Wear of lubricated plastics-based precision pivot bearings and the effect of the surface free energy of polymers. 1980 , 58, 97-102 | 4 |
| 2179 | Optimization of thin film wetting and adhesion behavior. 1980 , 68, 417-420 | 2 |
| 2178 | Surface Tension of Solids: Generalization and Reinterpretation of Critical Surface Tension. 1980 , 53-65 | 6 |
| 2177 | Surface Energy, Wetting and Adhesion. 1981 , 12, 3-12 | 33 |
| 2176 | Adhesion of Plasticized Polyvinyl Butyral) to Glass. 1981 , 13, 107-129 | 18 |
| 2175 | Surface chemistry and adhesion. 1981 , 1, 233-239 | 12 |
| 2174 | Dispersive component of surface free energy of hydrophilic polymers. 1981 , 84, 8-13 | 40 |
| 2173 | The adsorption of hydrocarbons on cellophane. 1981 , 82, 318-325 | 76 |
| 2172 | The adsorption of hydrocarbons on cellophane. 1981 , 82, 339-351 | 10 |
| 2171 | Adhesion to polyethylene and polypropylene. 1981 , 22, 7-16 | 208 |
| 2170 | Wettability of glass substrates by molten nylon-6. 1981 , 22, 534-538 | 2 |
| 2169 | Effect of surface tension on the stress in environmental crazes. 1981 , 22, 687-690 | 24 |
| 2168 | Surface stress anisotropy of treated glass and liquid crystal alignment. 1981 , 75, 372-375 | 11 |
| 2167 | Fibre Surface Energy Characterization. 1981 , 12, 221-231 | 31 |
| 2166 | Advances in Microbial Ecology. 1982 , | 3 |
| 2165 | The Application of Cohesion Parameters to Wetting and Adhesion—A Review. 1982 , 14, 33-62 | 15 |
| 2164 | Thermal Decomposition of Plasma-Polymerized Organosilicon Thin Films. 1982 , 17, 433-452 | 27 |
| 2163 | The Effect of Ultraviolet Radiation on Wettability of Polymer Surfaces. 1982 , 55, 1649-1650 | 9 |

| | | |
|------|---|-----|
| 2162 | The possibility of standard surface tension values for polymers. 1983 , 92, 275-276 | 14 |
| 2161 | The wettability of polypropylene after photochlorination and consecutive treatments. 1983 , 93, 63-71 | 4 |
| 2160 | Laser-induced optical recording in thin films. 1983 , 32, 107-123 | 33 |
| 2159 | Sliding friction behaviour of polymer-polymer material combinations. 1983 , 84, 167-181 | 37 |
| 2158 | Application of the surface free energy concept in fibre research. 1983 , 7, 147-152 | 8 |
| 2157 | Problems with the determination of surface free energy components by solving simultaneous equations. 1983 , 95, 271-272 | 2 |
| 2156 | Water wettability of polymer materials for contact lenses. 1983 , 94, 589-592 | 9 |
| 2155 | Adsorption of proteins in the processes of interaction of polymers with blood and model solutions. 1983 , 25, 523-555 | 5 |
| 2154 | Surface Free Energy of Plasma-Deposited Thin Polymer Films. 1983 , 197-215 | 3 |
| 2153 | Polymer-Aluminium Adhesion. I. The Surface Energy of Aluminium in Relation to its Surface Treatment. 1983 , 15, 151-161 | 53 |
| 2152 | Polymer-Aluminium Adhesion II. Role of the Adhesive and Cohesive Properties of the Polymer. 1984 , 17, 135-155 | 57 |
| 2151 | Formation and rupture of grafted polyethylene/aluminium interfaces. 1984 , 4, 163-168 | 52 |
| 2150 | Evaluation of plasma polymers of silanes as adhesion promoters for organic paint. 1984 , 118, 211-224 | 21 |
| 2149 | The effect of surface polarity on the adsorption of nonionic surfactants. I. Thermodynamic considerations. 1984 , 102, 410-417 | 54 |
| 2148 | Über die Stabilität dünner Wasserfilme auf Materialien für Offset-Druckplatten. 1984 , 262, 83-85 | |
| 2147 | The adhesion of particles undergoing an elastic-plastic impact with a surface. 1984 , 17, 677-689 | 148 |
| 2146 | Blood-compatible polymers. 1984 , 103-140 | 71 |
| 2145 | Relationship Between Surface of Pigments and Liquids. 1984 , 57, 465-472 | |

| | | |
|------|--|-----|
| 2144 | Particle transfer from a continuous oil to a dispersed water phase: Model particle study. 1985 , 106, 377-387 | 36 |
| 2143 | The effect of surface free energy and medium surface tension on bacterial attachment to solid surfaces. 1985 , 104, 5-14 | 92 |
| 2142 | The preparation and wettability of the fluoride film covered with a graphite fluoride layer on metallic aluminum. 1985 , 107, 459-466 | 3 |
| 2141 | Surface energetics characterization and relationship to adhesion using a novel contact angle measuring technique. 1985 , 108, 371-376 | 9 |
| 2140 | Cellular interactions with synthetic polymer surfaces in culture. 1985 , 6, 396-402 | 227 |
| 2139 | Adhesion and tack of polymers: Influence of mechanical properties and surface tensions. 1985 , 263, 541-553 | 232 |
| 2138 | Physico-Chemical Criteria for Maximum Adhesion. Part I: Theoretical Concepts and Experimental Evidence. 1985 , 19, 29-49 | 22 |
| 2137 | Polymer-Aluminium Adhesion. III. Effect of a Liquid Environment. 1985 , 18, 171-183 | 17 |
| 2136 | Aging Process in Plasma-Polymerized Organosilicon Thin Films. 1985 , 22, 1089-1100 | 41 |
| 2135 | Surface, interfacial and molecular aspects of polymer bioadhesion on soft tissues. 1985 , 2, 257-275 | 490 |
| 2134 | STABILIZATION AND FACILITATED DEPOSITION OF SURFACE MONOLAYERS OF FLUOROCARBON AMPHIPHILES THROUGH POLYION COMPLEX FORMATION. 1986 , 15, 105-108 | 33 |
| 2133 | Plasma treatment effect on the surface energy of carbon and carbon fibers. 1986 , 24, 757-770 | 120 |
| 2132 | The influence of substratum surface free energy on growth and spreading of human fibroblasts in the presence and absence of serum proteins. 1986 , 20, 773-84 | 302 |
| 2131 | Investigation of the radial pore-etching rate in a plastic track detector as a function of the local damage density around the ion path. 1986 , 11, 45-53 | 39 |
| 2130 | Spreading of oil drops on highly curved polymer surfaces. 1986 , 112, 221-228 | 4 |
| 2129 | Calculation of the surface energy of homo- and copolymers from the cohesion parameters and refractometric characteristics of the respective monomers. 1986 , 112, 539-543 | 10 |
| 2128 | Spreading pressures of water and n-propanol on polymer surfaces. 1986 , 114, 307-313 | 51 |
| 2127 | Synthetic Hydrogels as Substrata for Cell Adhesion Studies. 1986 , 18, 22-27 | 41 |

| | | |
|------|---|-----|
| 2126 | Adsorption and adhesion processes in microbial growth at interfaces. 1986 , 25, 59-86 | 46 |
| 2125 | Surface Energy of Wool. 1986 , 56, 164-171 | 13 |
| 2124 | The surface treatment and adhesive bonding of polyetheretherketone. Part II. Surface characterization. 1987 , 1, 291-302 | 12 |
| 2123 | The Interaction Parameter and the Strength of Adhesive Joints. 1987 , 22, 171-182 | 4 |
| 2122 | Estimation of the Surface Energy of Polymer Solids. 1987 , 21, 177-194 | 59 |
| 2121 | Role of acid-base interfacial bonding in adhesion. 1987 , 1, 7-27 | 487 |
| 2120 | Chapter 6 Sliding Wear. 1987 , 351-495 | 2 |
| 2119 | The possibility of deriving solid-surface free energies from contact-angle measurements with one liquid. 1987 , 6, 815-816 | 8 |
| 2118 | Polymers for biodegradable medical devices. II. Hydroxybutyrate-hydroxyvalerate copolymers: hydrolytic degradation studies. 1987 , 8, 289-95 | 199 |
| 2117 | Surface free energies of hydroxyapatite, fluorapatite and calcium fluoride. 1987 , 17, 553-558 | 28 |
| 2116 | Interpretation of the contact angle in marble/organic liquid film-water system. 1987 , 16, 489-499 | 2 |
| 2115 | The critical surface tension of Polish coals and their surface free energy components. 1988 , 67, 688-692 | 15 |
| 2114 | Surface-Energy Determinations of Tin Oxide-Coated Soda-Lime-Silica Glass. 1988 , 71, C-217-C-219 | 4 |
| 2113 | Determination of surface free energy components of polymers from contact angle data using nonlinear programming methods. 1988 , 33, 85-97 | 19 |
| 2112 | Surface tension components: Comments to C.J. van Oss et al.. 1988 , 122, 294-297 | 9 |
| 2111 | Synthetic hydrogels: 2. Copolymers of carboxyl-, lactam- and amide-containing monomers—structure/property relationships. 1988 , 29, 691-700 | 18 |
| 2110 | Synthetic hydrogels: 3. Hydroxyalkyl acrylate and methacrylate copolymers: surface and mechanical properties. 1988 , 29, 2191-2202 | 60 |
| 2109 | Hydrophilicity of polyethylene modified by the radiation grafting of acrylic acid. 1988 , 30, 376-384 | 4 |

| | | |
|------|--|----|
| 2108 | The wettability of polymer surfaces and the spreading of polymer liquids. 1988 , 89-124 | 15 |
| 2107 | Adhesion of an Air Bubble to Quartz Surface in Aqueous Solution of Aliphatic Amine Hydrochloride. 1988 , 25, 255-267 | 3 |
| 2106 | . | 4 |
| 2105 | Synthesis and properties of allyloxyethyl 2-cyanoacrylate adhesive. 1988 , 2, 157-165 | 6 |
| 2104 | The theory of surface tension components and the equation of state approach. 1988 , 26-39 | 6 |
| 2103 | Paper Requirements for Impact and Non-Impact Printers. 1988 , 383-411 | 4 |
| 2102 | Corona Treatment of Polymeric Films. 1988 , 4, 177-188 | 22 |
| 2101 | Quantitative Studies of the Effect of Adhesion on the Mechanical and Physical Properties of Polymer Composites. 1988 , 119, 17 | 3 |
| 2100 | Gas Plasma Treatment of Sputtered Carbon Thin Film and Enhancement of its Properties. 1988 , 140, 503 | |
| 2099 | The Effect of the Wettability of the Injection Nozzle on the Size of Oil Droplets in Water. 1988 , 61, 2937-2942 | 1 |
| 2098 | Consideration of thermodynamic factors in the analysis of steel/polymer coupling agent/epoxy adhesion systems. 1989 , 3, 515-527 | 4 |
| 2097 | THE INFLUENCE OF N-ALKANES ON WETTABILITY OF LOW COAL RANKS. 1989 , 7, 969-987 | 2 |
| 2096 | Determination of spreading pressure and its effect on polymer surface tension from contact angle data. Combination of the two-liquid contact angle method with the one-liquid contact angle method. 1989 , 3, 29-38 | 3 |
| 2095 | References. 1989 , 13, 509-557 | |
| 2094 | Surface tension and mechanical properties in polyolefin composites. 1989 , 28, 165-186 | 63 |
| 2093 | Wettability of quartz by methanol and ethanol aqueous solutions. 1989 , 21, 123-133 | 1 |
| 2092 | Physico-chemical properties of oral streptococcal cell surfaces and their relation with adhesion to solid substrata in vitro and in vivo. 1989 , 42, 345-353 | 10 |
| 2091 | Contact angle hysteresis in carbon fibers studied by wetting force measurements. 1989 , 267, 702-706 | 19 |

| | | |
|------|--|-----|
| 2090 | Determination of dispersive and nondispersive components of the surface free energy of glass fibers. 1989 , 267, 637-642 | 17 |
| 2089 | Surface free-energy components of liquids and low energy solids and contact angles. 1989 , 127, 189-204 | 198 |
| 2088 | Surface free energy components of glass from ellipsometry and zeta potential measurements. 1989 , 132, 54-61 | 25 |
| 2087 | Protein adsorption from buffer and plasma onto hydrophilic/hydrophobic poly(ethylene oxide)/polystyrene multiblock copolymers. 1989 , 132, 161-175 | 30 |
| 2086 | Influence of n-alkanes on wetting of coal and adhesion of water and air bubbles to coal surface. 1989 , 42, 57-62 | 3 |
| 2085 | Physico-chemical properties of oral streptococcal cell surfaces and their relation with adhesion to solid substrata in vitro and in vivo. 1989 , 42, 345-353 | 13 |
| 2084 | The surface tension components of aqueous alcohol solutions. 1989 , 36, 391-403 | 34 |
| 2083 | Surface free energy of celestite and its flotation activity. 1989 , 35, 41-48 | 12 |
| 2082 | Polymers for biodegradable medical devices. VI. Hydroxybutyrate-hydroxyvalerate copolymers: accelerated degradation of blends with polysaccharides. 1989 , 10, 400-12 | 64 |
| 2081 | The components of surface tension of liquids and their usefulness in determinations of surface free energy of solids. 1989 , 127, 59-66 | 95 |
| 2080 | Heterocoagulation of silicon emulsions on keratin fibers. 1989 , 133, 118-134 | 27 |
| 2079 | Relationship between surface energy and adhesion strength in polyethylene/paper composites. 1989 , 21, 53-59 | 11 |
| 2078 | Surface Properties. 1989 , 707-732 | 5 |
| 2077 | Contact angle behaviour of poly(vinyl chloride)/ epoxidized natural rubber miscible blends. 1989 , 3, 541-550 | 12 |
| 2076 | STABILITY OF COAL - AIR BUBBLE - WATER SYSTEM. 1989 , 7, 989-1004 | 4 |
| 2075 | Surface free energy of synthetic chalcocite from zeta potential and contact angle techniques. 1989 , 3, 575-585 | 7 |
| 2074 | Studies on adhesion of polyethylene. Part I. Influence of functionality and phase transfer catalyst. 1989 , 3, 609-621 | 5 |
| 2073 | An analysis of the adhesion strength between polyethylene and paper. 1989 , 23, 355-361 | |

| | | |
|------|--|-----|
| 2072 | Effect of Ester Side Chains on the Aggregation State and Surface Properties of Poly(dialkylfumarate)s. 1989 , 21, 215-219 | 9 |
| 2071 | A comparison of thermodynamic approaches to predict the adhesion of dairy microorganisms to solid substrata. 1990 , 17, 93-106 | 85 |
| 2070 | Correlation between the surface free energy of modified and non-modified glasses with controlled porosity and their sorption properties. 1990 , 30, 382-387 | 8 |
| 2069 | The surface free energy components of homoionic bentonite from contact angle measurements. 1990 , 26, 375-394 | 4 |
| 2068 | Surface free energy components and adsorption properties of some porous glasses. 1990 , 25, 185-198 | 5 |
| 2067 | Knowledge about polymer surfaces from contact angle measurements. 1990 , 32, 79-116 | 175 |
| 2066 | The influence of aqueous methanol film on the wettability of polytetrafluoroethylene. 1990 , 26, 599-602 | 1 |
| 2065 | Synthetic hydrogels: 7. High EWC semi-interpenetrating polymer networks based on cellulose esters and N-containing hydrophilic monomers. 1990 , 31, 1526-1537 | 30 |
| 2064 | Estimation of surface free energies and hamaker constants for fibrous solids by wetting force measurements. 1990 , 268, 589-594 | 37 |
| 2063 | Determination of porous glass surface free energy components from contact angles. 1990 , 25, 1682-1685 | 9 |
| 2062 | Influence of N-alkanes on contact angle and flotability of quartz. 1990 , 25, 1353-1356 | |
| 2061 | A thermodynamic model to predict Phanerochaete chrysosporium INA-12 adhesion to various solid carriers in relation to lignin peroxidase production. 1990 , 35, 477-82 | 41 |
| 2060 | Interpretation of the contact angle in polytetrafluoroethylene-aliphatic alcohol solutions-air system. 1990 , 26, 593-597 | 5 |
| 2059 | Origin, characterization and technological effects of interaction forces proceeding from polymer surfaces. 1990 , 31, 225-320 | 22 |
| 2058 | Influence of upstream instabilities and wall slip on melt fracture and sharkskin phenomena during silicones extrusion through orifice dies. 1990 , 34, 145-180 | 117 |
| 2057 | Effect of mold material on the surface properties of an acrylic copolymer. 1990 , 138, 287-290 | |
| 2056 | The total surface free energy and the contact angle in the case of low energetic solids. 1990 , 140, 362-372 | 26 |
| 2055 | Interfacial interactions between self-associated polar liquids and squalane used to test equations for solid-liquid interfacial interactions. 1990 , 43, 367-387 | 126 |

| | | |
|------|--|-----|
| 2054 | Solid surface tension: The use of thermodynamic models to verify its determination from contact angles. 1990 , 43, 389-411 | 10 |
| 2053 | Polymers for biodegradable medical devices. VII. Hydroxybutyrate-hydroxyvalerate copolymers: degradation of copolymers and their blends with polysaccharides under in vitro physiological conditions. 1990 , 11, 206-15 | 64 |
| 2052 | Influence of Dodecylamine Chloride on the Surface Free Energy of Kaolinite. 1990 , 38, 53-56 | 6 |
| 2051 | Surface Modification of Fluorinated Polymers by Microwave Plasmas. 1990 , 33, 33-44 | 12 |
| 2050 | The use of wetting measurements in the assessment of acid-base interactions at solid-liquid interfaces. 1990 , 4, 255-266 | 31 |
| 2049 | Experimental determination of spreading pressure in solid/liquid/vapour systems. 1990 , 4, 475-480 | 20 |
| 2048 | Properties of Poly- ϵ -Hydroxyalkanoate Latex: Nascent Morphology, Film Formation and Surface Chemistry. 1990 , 97-112 | 10 |
| 2047 | Quantitative characterization of the acid-base properties of solvents, polymers, and inorganic surfaces. 1990 , 4, 669-691 | 160 |
| 2046 | A liquid droplet measurement technique as a means of assessing the interlaminar shear strength of fibre-reinforced composites. 1990 , 21, 408-414 | 11 |
| 2045 | Characterization of fillers and fibres by wetting and electrokinetic measurements. 1991 , 58, 47-59 | 57 |
| 2044 | . | |
| 2043 | THE WETTABILITY OF LOW COAL RANKS IN THE PRESENCE OF N-ALKANES AND DIACETONE ALCOHOL. 1991 , 9, 31-57 | |
| 2042 | Influence of polyacrylamide on the surface free energy and wettability of a chernozem soil. 1991 , 50, 173-184 | 12 |
| 2041 | Wettability and Surface Energies of Polymer Substrates. 1991 , 299-307 | 1 |
| 2040 | Surface Phenomena in Waterbased Flexo Inks for Printing on Polyethylene Films. 1991 , 27-34 | 4 |
| 2039 | Surface Free Energy Components of Clay-Synthetic Humic Acid Complexes from Contact-Angle Measurements. 1991 , 39, 43-49 | 25 |
| 2038 | Effect of Additives on the Surface Properties of Chromate Conversion Coatings. 1991 , 77, 406-413 | 2 |
| 2037 | Effect of Phosphate and Silica Additives on the Performance and Structure of Chromate Conversion Coatings on Electro Galvanized Steel Sheet. 1991 , 77, 115-122 | 12 |

| | | |
|------|--|----|
| 2036 | Adhesion and Surface Chemistry of Sheet Molding Compound. 1991 , | 0 |
| 2035 | Clinical effects of commercially available mouthrinses on the development of plaque, gingivitis and enamel surface free energy. 1991 , 3, 209-221 | 7 |
| 2034 | Enhancement of adhesion to polypropylene films by CF ₃ Cl plasma treatment. 1991 , 5, 239-245 | 24 |
| 2033 | Disbondment Mechanisms for a Heat Shrink Polyethylene Coating on a Cathodically Protected Hot Pipeline. 1991 , 33, 223-237 | 2 |
| 2032 | A Study of Corrosion Protection by Organic Coatings (2). 1991 , 64, 630-637 | 3 |
| 2031 | Polymer-polymer friction: Relation to adhesion. 1991 , 151, 63-75 | 39 |
| 2030 | Investigations of adsorption behaviour of polybutadiene epoxide on solid surfaces. 1991 , 58, 33-46 | |
| 2029 | Surface treatment of polypropylene by oxygen microwave discharge. 1991 , 139, 103-109 | 31 |
| 2028 | Plasma deposition of thin fluorocarbon films for increased membrane hemocompatibility. 1991 , 61, 289-301 | 18 |
| 2027 | Histological evaluation of biodegradable and non-degradable membranes placed transcutaneously in rats. 1991 , 18, 581-6 | 47 |
| 2026 | Orientation of liquid perfluorohydrocarbons at the interface with air and with some liquids. 1991 , 55, 191-203 | 9 |
| 2025 | Modification of polypropylene surfaces by flame treatment. 1991 , 17, 507-510 | 75 |
| 2024 | Chemical Changes At The surface of Insulators Coated with Rtv Silicone Rubber. | 1 |
| 2023 | . | |
| 2022 | Bio adhesive polymers Surface energy and molecular mobility considerations. 1991 , 4, 163-169 | 5 |
| 2021 | Application of Macromonomers for Pressure Sensitive Adhesives I. Adhesive and Surface Properties. 1991 , 36, 85-96 | |
| 2020 | Application of Macromonomers for Pressure Sensitive Adhesives II. Phase Separation and Adhesive Properties. 1991 , 36, 97-107 | 1 |
| 2019 | Adhesion of vacuum-deposited thin cobalt metal film to poly(ethylene terephthalate) pretreated with RF plasma. 1991 , 5, 543-548 | 16 |

| | | |
|------|---|-----|
| 2018 | Effect of organosilanes on the adhesive properties of epoxy-lignin polyblends. 1991 , 5, 565-576 | 7 |
| 2017 | Modelling of protein adsorption on polymeric surfaces. 1991 , 2, 91-111 | 14 |
| 2016 | Effect of Interfacial Free Energy on the Heterogeneous Distribution of Oxidized Carbon Black in Polymer Blends.. 1992 , 24, 415-420 | 58 |
| 2015 | Determination of the Surface Energy of Solids by the Two-Liquid-Phase Method. 1992 , 73-100 | 11 |
| 2014 | Effects of Grafting with Acrylic Acid on Removal of Oily Soil from Polyester Fabric. 1992 , 62, 663-668 | 1 |
| 2013 | Synthetic hydrogels. Part 8. Physicochemical properties of N,N-dimethylacrylamide semi-interpenetrating polymer network hydrogels. 1992 , 2, 491-496 | 10 |
| 2012 | Organosilicon promoters of adhesion and their influence on the corrosion of metals. 1992 , 21, 135-187 | 23 |
| 2011 | Influence of tetradecylamine chloride on the surface free-energy components and flotability of barite. 1992 , 27, 5221-5228 | 1 |
| 2010 | Ion implantation enhanced adhesion of polypropylene. 1992 , 12, 434-436 | 8 |
| 2009 | Chapter Two The General Properties of Lubricants. 1992 , 23, 9-124 | 1 |
| 2008 | Chitosan-lipid films: microstructure and surface energy. 1992 , 40, 540-544 | 157 |
| 2007 | Surface Energies of Nonionic Surfactants Adsorbed onto Nylon Fiber and a Correlation with Their Solubility Parameters. 1992 , 62, 535-546 | 3 |
| 2006 | Components of surface free energy of galena. 1992 , 27, 6447-6451 | 10 |
| 2005 | Surface free energy and chemical bonding of fluorine-graphite intercalation compounds. 1992 , 57, 83-91 | 15 |
| 2004 | Wettability of poly(methyl methacrylate) surfaces in dental use. 1992 , 3, 387-390 | 7 |
| 2003 | Using the bond energy density to predict the reinforcing ability of a composite. 1992 , 27, 4949-4956 | 26 |
| 2002 | The influence of soil clay constituents on surface free energy of clay fractions. 1992 , 43, 27-35 | 5 |
| 2001 | Modification of the biocompatible and haemocompatible properties of polymer substrates by plasma-deposited fluorocarbon coatings. 1992 , 13, 832-40 | 54 |

| | | |
|------|---|-----|
| 2000 | Surface properties of poly(vinyl alcohol) films with a fluoroalkyl group at one end. 1992 , 33, 5066-5072 | 3 |
| 1999 | Surface energetics of films of surfactant free poly(methyl methacrylate-co-butyl acrylate) emulsion polymers. 1992 , 152, 455-464 | 8 |
| 1998 | Surface free energy of cholesterol and bile salts from contact angles. 1992 , 151, 333-342 | 37 |
| 1997 | Characterization of plasma-treated poly (hydroxybutyrate) membrane surfaces by ESCA and contact angle measurements. 1992 , 73, 163-172 | 20 |
| 1996 | Evaluation methods on polymer materials for surface of outdoor insulators. 1992 , 112, 1-9 | |
| 1995 | Determination of the galena surface free energy components from contact angle measurements. 1992 , 31, 235-241 | 13 |
| 1994 | Influence of tetradecylamine chloride on the surface free-energy components and flotability of barite. 1992 , 27, 5221-5228 | 4 |
| 1993 | Components of surface free energy of cholesterol in the presence of bile salts. 1992 , 62, 263-272 | 5 |
| 1992 | A study of the effects of oxygen plasma treatment on the adhesion behaviour of polyethylene fibres. 1992 , 44, 185-195 | 52 |
| 1991 | . 1992 , 27, 610-622 | 84 |
| 1990 | The surface free energy of low rank coals precovered with diacetone alcohol. 1992 , 71, 708-711 | 1 |
| 1989 | Development of methods for surface free energy determination using contact angles of liquids on solids. 1992 , 38, 99-142 | 78 |
| 1988 | The influence of oleate adsorption at the fluorite/water interface on fluorite surface free energy. 1993 , 72, 201-207 | 3 |
| 1987 | A study of the adsorption of selected organic molecules to model the adhesion of epoxy resins: thermal desorption of glycidyl and phenoxy compounds from gold, iron oxide and zinc oxide. 1993 , 68, 539-555 | 10 |
| 1986 | Contact angles of liquids on films from emulsion adhesives, and correlation with the durability of adhesive bonds to polystyrene. 1993 , 13, 163-171 | 23 |
| 1985 | Surface properties of films containing poly(vinyl alcohol) having an n-alkylthio group at one end. 1993 , 34, 2659-2664 | 2 |
| 1984 | AcidBase interfacial interactions in aqueous media. 1993 , 78, 1-49 | 604 |
| 1983 | Wettability and surface tension of fluorite. 1993 , 75, 163-168 | 17 |

| | | |
|------|--|----|
| 1982 | Physical and chemical properties of pitch fluoride prepared by direct fluorination. 1993 , 60, 69-77 | 9 |
| 1981 | Environmental stress cracking of PVC and PVC-CPE. 1993 , 28, 3769-3776 | 17 |
| 1980 | Effect of low-temperature-plasma surface treatment on the adhesion of ultra-high-molecular-weight-polyethylene fibres. 1993 , 28, 4883-4891 | 17 |
| 1979 | Static shear strength and adhesion friction of some thermoplastics. 1993 , 33, 543-548 | 1 |
| 1978 | Surface activity and wetting effect of artificial tear preparations. 1993 , 115, 387-389 | 2 |
| 1977 | A simple experimental method for the measurement of the surface tension of cellulosic fibres and its relation with chemical composition. 1993 , 81, 251-261 | 22 |
| 1976 | The dependence of the orientation of liquid crystals on solid surfaces with constant surface topography on the surface tension. 1993 , 78, 177-180 | 2 |
| 1975 | An investigation of carbon fibre surface chemistry and reactivity based on XPS and surface free energy. 1993 , 31, 1115-1120 | 46 |
| 1974 | Measurement of surface tension for polysilanes. 1993 , 449, 105-109 | 6 |
| 1973 | The influence of oxidation degree of galena surface and of ethyl xanthate on the stability of galena-air aggregates. 1993 , 75, 43-48 | 3 |
| 1972 | Determination of surface-free energy components of synthetic chalcocite from contact angle measurements. 1993 , 76, 233-239 | 8 |
| 1971 | Characterization and modification of fillers for paints and coatings. 1993 , 22, 1-17 | 82 |
| 1970 | Chemical composition and physico-chemical properties of polymer surfaces. 1993 , 22, 327-344 | 14 |
| 1969 | Role of surface free energy in a solid surface during collectorless liquid-liquid extraction. 1993 , 6, 455-464 | 18 |
| 1968 | Adhesion Studies of Fluoropolymers. 1993 , 41, 113-128 | 11 |
| 1967 | Interface and Interphase in Carbon Fibre-Styrene Butadiene Rubber (SBR) Composites. 1993 , 40, 93-106 | 6 |
| 1966 | Water Resistance of Poly(imide-siloxane) Adhesives: An IGC Surface Energetics Study. 1993 , 42, 113-124 | 8 |
| 1965 | Surface Free Energy Modification of PET by Plasma Treatment Influence on Adhesion. 1993 , 42, 249-254 | 25 |

| | | |
|------|--|-----|
| 1964 | Tight binding of albumin to glow discharge treated polymers. 1993 , 4, 35-44 | 78 |
| 1963 | 5.5 Inch video graphic array antiferroelectric display. 1993 , 149, 255-272 | 11 |
| 1962 | Relationship between fibre-matrix adhesion and the interfacial shear strength in polymer-based composites. 1993 , 1, 177-192 | 63 |
| 1961 | Syntheses and Reactions of Metal Organics. XVIII. Syntheses of (1H,1H,2H,2H-Polyfluoroalkyl)trimethoxysilanes and Surface Modification of Glass Plate. 1993 , 66, 1754-1758 | 49 |
| 1960 | Possibilities offered by plasma modification and polymerization to enhance the bio- and hemocompatibility of polyester membranes. 1993 , 73, 217-236 | 6 |
| 1959 | Surface properties of polyethylene grafted with triallyl cyanurate in the presence of an electron beam. 1994 , 8, 1169-1178 | 9 |
| 1958 | Origin and Development of Transcrystallinity in Polypropylene in the Presence of Active Substrates: Role of the Surface Energy. 1994 , 3, | |
| 1957 | The effect of phase separations on interphase structure of segmented polyurethane films. 1994 , 619-621 | 1 |
| 1956 | Effect of the Molecular Length of n-Alkylsilanes on the Adhesion at a Rubber/Glass Interface. 1994 , 47, 41-50 | 1 |
| 1955 | Pretilt Angles of Liquid Crystal on Organic-Solvent-Soluble Polyimide Alignment Films. 1994 , 33, 4152-4153 | 11 |
| 1954 | Surface active fluorosilicone polymers. 1994 , 82, 115-123 | 15 |
| 1953 | A study on the components of surface free energy of quartz from contact angle measurements. 1994 , 29, 3559-3564 | 77 |
| 1952 | The influence of mixture anionic and non-ionic surfactants on the surface free energy of cassiterite. 1994 , 29, 3177-3184 | 1 |
| 1951 | How the work of adhesion affects the mechanical properties of silica-filled polymer composites. 1994 , 29, 2406-2416 | 57 |
| 1950 | Influence of the surface chemistry on the wettability of stainless steel. 1994 , 21, 595-605 | 139 |
| 1949 | Effect of ageing atmospheres on the changes in surface free energies of oxygen plasma-treated polyethylene films. 1994 , 272, 770-776 | 25 |
| 1948 | Traitement de surface d'un polyurethane par plasma froid: fixation de fluor. 1994 , 30, 1283-1287 | 2 |
| 1947 | Fowkes' surface tension component approach revisited. 1994 , 89, 181-191 | 41 |

| | | |
|------|---|-----|
| 1946 | Effects of surface rigidity of acrylic polymers and their mixtures on wetting and dewetting. 1994 , 89, 269-275 | 1 |
| 1945 | Modification of asymmetric polysulfone membranes by mild surface fluorination Part II. Characterization of the fluorinated surface. 1994 , 94, 143-162 | 10 |
| 1944 | Flux enhancement of reverse osmosis membranes by chemical surface modification. 1994 , 97, 231-249 | 46 |
| 1943 | Surface fluorination of poly (phenylene oxide) composite membranes. 1994 , 90, 37-53 | 31 |
| 1942 | Electric field effect on the friction of a polyethylene-terpolymer film on a steel substrate. 1994 , 176, 89-93 | 25 |
| 1941 | Fluoropolymer metallization for microelectronic applications. 1994 , 47, 273-300 | 112 |
| 1940 | Wettability of cassiterite in presence of sodium dodecyl sulphate. 1994 , 38, 225-233 | 5 |
| 1939 | Corona Discharge Treatment of Polyolefins. 1994 , 46, 79-88 | 25 |
| 1938 | Surface, interphase and composite property relations in fibre-reinforced polymers. 1994 , 25, 739-744 | 119 |
| 1937 | Determination of the glass transition temperature at polymer surfaces from the temperature dependence of wetting. 1994 , 23, 287-297 | 9 |
| 1936 | Influence of the doping conditions on the surface energies of conducting polymers. 1994 , 63, 67-71 | 56 |
| 1935 | Marktübersicht Grenzflächenspannungs-und Randwinkelmessung. 1994 , 42, M1-M14 | 3 |
| 1934 | Quantum Chemical Approach to Metal-polymer Interfaces. 1994 , 67, 641-652 | |
| 1933 | Changes of Wettability and Surface Energy of Polymer by keV Ar+ Ion Irradiation. 1995 , 396, 341 | |
| 1932 | Mechanism of Adhesion of Organic Compounds to Metal Surfaces. 1995 , 68, 424-433 | 2 |
| 1931 | Surface Modification of Resins with Fluorosilicone Additives. 1995 , 68, 735-740 | |
| 1930 | Thermodynamic approach to explain cell adhesion to air-medium interfaces. 1995 , 48, 649-58 | 30 |
| 1929 | Investigations of hard elastic polypropylene with respect to the coil-strand-transition model. 1995 , 273, 1008-1021 | 12 |

| | | |
|------|--|-----|
| 1928 | Ultraviolet-induced graft reaction of quinoid compounds onto polypropylene films. 1995 , 35, 575-582 | 2 |
| 1927 | Micro scale flow behavior and void formation mechanism during impregnation through a unidirectional stitched fiberglass mat. 1995 , 35, 837-851 | 126 |
| 1926 | An overview of the basic aspects of polymer adhesion. Part I: Fundamentals. 1995 , 35, 957-967 | 148 |
| 1925 | Analysis of titanium dioxide agglomerate dispersion in linear low density polyethylene and resulting properties of compounds. 1995 , 35, 1037-1045 | 19 |
| 1924 | Sintering high performance semicrystalline polymeric powders. 1995 , 35, 1923-1930 | 7 |
| 1923 | Coadsorption of water and selected aromatic molecules to model the adhesion of epoxy resins on hydrated surfaces of zinc oxide and iron oxide. 1995 , 84, 309-323 | 33 |
| 1922 | Improvement of the adhesion of low-energy polymers by a short-time plasma treatment. 1995 , 74-75, 682-688 | 56 |
| 1921 | The use of contact angle measurements to quantify the adsorption density and thickness of organic molecules on hydrophilic surfaces. 1995 , 97, 183-196 | 22 |
| 1920 | Surface analysis and peel strength of aged, oxygen-plasma-modified unplasticized poly(vinyl chloride) films. 1995 , 15, 185-190 | 16 |
| 1919 | Localization of the curing agent at an epoxy resin/oxidized aluminium interface. 1995 , 15, 15-20 | 21 |
| 1918 | Improvement of polypropylene film adhesion in multilayers by various chemical surface modifications. 1995 , 15, 205-210 | 19 |
| 1917 | The influence of additives on the adhesion behaviour of thermoplastic materials used in the automotive industry. 1995 , 26, 131-143 | 17 |
| 1916 | Polymer-polymer friction: Adhesion dependence. 1995 , 12, 125-131 | 1 |
| 1915 | . 1995 , 10, 1956-1964 | 19 |
| 1914 | Effect of interfacial energy and viscosity on percolation time of carbon black-filled poly(methyl methacrylate). 1995 , 34, 283-294 | 43 |
| 1913 | Adhesion between Te-based alloy films and fluorocarbon sublayers during the ablative hole opening process. 1995 , 77, 865-872 | 1 |
| 1912 | Effect of pigmentation on the surface chemistry and surface free energy of paper coating binders. 1995 , 9, 801-811 | 27 |
| 1911 | Influence of the fiber surface properties on the mechanical strength of unidirectional fiber composites. 1995 , 9, 983-1004 | 10 |

| | | |
|------|--|-----|
| 1910 | Generation of Pretilt Angle of Liquid Crystals Aligned on Organic-Solvent-Soluble Polyimide Alignment Films for Active-Matrix TN-LCDs and its Mechanism Caused by the Micro-Surface Structure of Surfaces. 1995 , 259, 93-100 | 3 |
| 1909 | Relationship between Pretilt Angles of Liquid Crystals and Surface Energies of Polyimides Containing Fluorine Atoms. 1995 , 258, 285-290 | 14 |
| 1908 | Ethylene/ ammonia plasma polymer deposition for controlled adhesion of graphite fibers to PEEK. 1995 , 9, 1475-1503 | 35 |
| 1907 | Comparison of surface-chemical methods for characterizing carbon fiber-epoxy resin composites. 1995 , 3, 293-320 | 35 |
| 1906 | Funktionalisierte Schichten für die Sensorik. 1995 , 40, 96-98 | |
| 1905 | Multi-step derivatization and analysis of the surface of nonporous silicate glass. 1995 , 9, 953-969 | 6 |
| 1904 | Physico-chemical properties of surface-modified polymers. 1995 , 9, 327-350 | 47 |
| 1903 | Hydrophobic or Hydrophilic Fumed Silica as Filler of Polyurethane Adhesives. 1995 , 50, 265-277 | 27 |
| 1902 | Measurement of Adhesion Between Carbon Fibers and Bismaleimide Resins. 1995 , 53, 117-147 | 6 |
| 1901 | Surface Characterization of Polymers by Physico-Chemical Measurements. 1995 , 48, 57-73 | 30 |
| 1900 | Wetting of crystalline polymer surfaces: A molecular dynamics simulation. 1995 , 103, 9053-9061 | 89 |
| 1899 | Determination of Low Critical Surface Tensions of Novel Fluorinated Poly(amide urethane) Block Copolymers. 3. Siloxane-Containing Side Chains. 1996 , 29, 7553-7558 | 14 |
| 1898 | A Review of Adhesion Mechanisms Using the Peel Test in Air and Liquid Media. 1996 , 57, 115-131 | 10 |
| 1897 | Contact Angle and Vapor Adsorption. 1996 , 12, 3728-3732 | 18 |
| 1896 | Processes of bioadhesion on stainless steel surfaces and cleanability: A review with special reference to the food industry. 1996 , 10, 275-300 | 109 |
| 1895 | Film Thickness Dependence of the Surface Structure of Immiscible Polystyrene/Poly(methyl methacrylate) Blends. 1996 , 29, 3232-3239 | 278 |
| 1894 | A new reagent for surface treatment of polytetrafluoroethylene. 1996 , 403-404 | 13 |
| 1893 | Pressure-sensitive adhesives for the attachment of reinforcing canvases to the back of paintings. 1996 , 41, 45-54 | 6 |

| | | |
|------|---|-----|
| 1892 | Surface Modification of Polymer by Ion Assisted Reaction in Reactive Gases Environment. 1996 , 438, 505 | 2 |
| 1891 | Identification of Hydrophilic Group Formation on Polymer Surface During Ar+ Ion Irradiation in O2 Environment. 1996 , 438, 517 | |
| 1890 | Modification of the Surface of a Substrate by Adsorbed Polymer Interlayers for the Control of Adhesion. 1996 , 14, 259-266 | 3 |
| 1889 | Evaluation of acid-base properties of ammonia plasma-treated polypropylene by means of XPS. 1996 , 1, 27-45 | 20 |
| 1888 | Components of the surface free energy of low rank coals in the presence of n-alkanes. 1996 , 86, 229-238 | 28 |
| 1887 | Surface structure of a fluorinated thiol on Au(111) by scanning force microscopy. 1996 , 281-282, 548-551 | 17 |
| 1886 | Self-stratifying coatings for plastic substrates (BRITE EURAM PROJECT RI 1B 0246 C(H)). 1996 , 28, 183-195 | 23 |
| 1885 | Effects of plasma treatment on the adhesion of an epoxy composite. 1996 , 16, 129-135 | 34 |
| 1884 | Agglomeration and size enlargement session summary paper. 1996 , 88, 203-225 | 35 |
| 1883 | Surface properties of polymer films including multiblock copolymer. 1996 , 29, 167-173 | 6 |
| 1882 | Chemical treatment for improved performance of reverse osmosis membranes. 1996 , 104, 239-249 | 74 |
| 1881 | Membranes en PHB, P(HB-co-9% HV), P(HB-co-22% HV) pour la microfiltration ou la pervaporation proprietes filtrantes et etat de surface. 1996 , 32, 435-450 | 12 |
| 1880 | Surface free energy and floatability of low-rank coal. 1996 , 75, 737-742 | 15 |
| 1879 | Adhesion behavior of PVD coatings on ECR plasma and ion beam treated polymer films. 1996 , 279, 169-173 | 31 |
| 1878 | The relationship between surfactant structure and limiting values of surface tension, in aqueous gelatin solution, with particular regard to multilayer coating. 1996 , 114, 321-335 | 59 |
| 1877 | Interfacial interaction between low-energy surfaces. 1996 , 16, 97-159 | 188 |
| 1876 | Fouling reduction in poly(acrylonitrile-co-acrylamide) ultrafiltration membranes. 1996 , 111, 49-56 | 33 |
| 1875 | Interfacial shear strength in glass-fiber/vinylester-resin composites. 1996 , 56, 533-539 | 32 |

| | | |
|------|---|----|
| 1874 | Surface properties of carbon fibres modified by electrodeposition of polyamic acid. 1996 , 37, 4197-4203 | 30 |
| 1873 | Influence of drawing and heat treatment on surface free energies of polyethylene terephthalate fibers. 1996 , 274, 628-633 | 3 |
| 1872 | Microphase separation and surface properties of segmented polyurethane. Effect of hard segment content. 1996 , 16, 233-239 | 67 |
| 1871 | Surface energetics of films of poly(vinyl acetate-butyl acrylate) emulsion copolymers. 1996 , 37, 5483-5491 | 30 |
| 1870 | Optimization of the Surface Free Energy of Carbon Fiber through Electrolytic Oxidation. 1996 , 9, 304-315 | 5 |
| 1869 | Properties of solvent based polyurethane adhesives containing fumed silicas. 1996 , 108, 269-278 | 14 |
| 1868 | Adhesion Mechanisms of Polyurethanes to Glass Surfaces. III. Investigation of Possible Physico-Chemical Interactions at the Interphase. 1996 , 55, 221-243 | 10 |
| 1867 | Surface modification of glass by end-capped fluoroalkyl-functional silanes. 1996 , 10, 1031-1046 | 7 |
| 1866 | Simulation of the Structure and Properties of the Polyethylene Crystal Surface. 1996 , 100, 10689-10695 | 5 |
| 1865 | The Mechanisms of Peeling of Uncross-Linked Pressure Sensitive Adhesives. 1997 , 62, 45-73 | 50 |
| 1864 | Surface cross linking and functionalization of poly(ethylene terephthalate) in a helium discharge. 1997 , 6, 8-19 | 39 |
| 1863 | Effect of oxygen gas on polycarbonate surface in keV energy Ar ⁺ ion irradiation. 1997 , 12, 277-282 | 26 |
| 1862 | Wetting of solids by liquids with low and high viscosity. 1997 , 44-54 | |
| 1861 | Role of Acid Base Interaction in Adhesion. 1997 , 70, 526-537 | |
| 1860 | Comparative analysis of thermodynamic approaches and diagnostic liquids for determination of contact angle-derived physicochemical parameters of solids coated with conditioning films: A practitioner's perspective. 1997 , 11, 65-93 | 17 |
| 1859 | Does the Solid-Liquid Interfacial Tension Depend upon Equilibration with the Liquid Vapors?. 1997 , 13, 6607-6609 | 3 |
| 1858 | Effects of solvents on the surface properties of oxygen plasma-treated polyethylene and polypropylene films. 1997 , 11, 655-663 | 16 |
| 1857 | Fluoroalkylation of polyester by end-capped fluoroalkyl-functional silanes. 1997 , 11, 1381-1397 | 12 |

| | | |
|------|---|-----|
| 1856 | Characterization of the surfaces of treated glass fibres with different methods of investigation. 1997 , 5, 41-53 | 6 |
| 1855 | Poly(Hydroxybutyrate-co-9% Hydroxyvalerate) Film Surface Modification by Ar, O ₂ , H ₂ O/O ₂ , H ₂ O, and H ₂ O ₂ Plasma Treatment. 1997 , 34, 67-79 | 13 |
| 1854 | van der Waals Interaction, Surface Free Energies, and Contact Angles: Dispersive Polymers and Liquids. 1997 , 13, 3890-3895 | 102 |
| 1853 | Temperature Dependence of the Surface Behaviour of a Side-Chain Liquid Crystalline Polymer Probed by Contact Angle Measurements. 1997 , 300, 45-64 | 6 |
| 1852 | Morphogenetic Study of Particle Domains in Thermoreversible Recording Media Composed of Polymeric Films with Dispersed Fatty Acids. 1997 , 9, 91-97 | 3 |
| 1851 | Polymeric Hydrophilic Hydrogels with Flexible Hydrophobic Chains. Control of the Hydration and Interactions with Water Molecules. 1997 , 30, 8440-8446 | 78 |
| 1850 | The Influence of Surface Properties on Carbon Fiber/Epoxy Matrix Interfacial Adhesion. 1997 , 62, 213-245 | 33 |
| 1849 | Contact Angle Measurements and Contact Angle Interpretation. 1. Contact Angle Measurements by Axisymmetric Drop Shape Analysis and a Goniometer Sessile Drop Technique. 1997 , 13, 2880-2894 | 214 |
| 1848 | Influence of rheology and surface properties in the adhesion of uncross-linked pressure sensitive adhesives. 1997 , 36, 449-461 | 22 |
| 1847 | A comparative analysis of surface structure and surface tension of hybrid silica films. 1997 , 209, 51-60 | 25 |
| 1846 | Influence of ethyl xanthate on the wettability and surface free energy of galena. 1997 , 120, 35-42 | 4 |
| 1845 | A comprehensive model of sintering and coalescence of unpigmented latexes. 1997 , 30, 113-126 | 26 |
| 1844 | A new resin system for super high solids coating. 1997 , 32, 197-203 | 15 |
| 1843 | Physico-chemical parameters governing protein microencapsulation into biodegradable polyesters by coacervation. 1997 , 147, 173-186 | 44 |
| 1842 | Adherence of <i>Candida albicans</i> to experimental denture soft lining materials. 1997 , 77, 306-12 | 72 |
| 1841 | Heat of immersion calorimetry studies of carbon blacks. 1997 , 50, 25-30 | 11 |
| 1840 | Development of a carrier for adhesion of nitrifying bacteria using a thermodynamic approach. 1997 , 11, 773-776 | 15 |
| 1839 | Relationships between lateral force and viscoelastic properties for amorphous polymer films based on lateral force microscopy. 1997 , 39, 369-376 | 8 |

| | | |
|------|---|----|
| 1838 | Wetting of wood. 1997 , 31, 339-353 | 74 |
| 1837 | Determination of physicochemical parameters of solids covered with conditioning films from groundwaters using contact angles. Comparative analysis of different thermodynamic approaches utilizing a range of diagnostic liquids. 1997 , 126, 1-23 | 10 |
| 1836 | Dynamic interfacial behaviour of bovine serum albumin solutions on titanium surfaces. 1997 , 125, 209-219 | 19 |
| 1835 | Structure of N-alkyl chitosan membranes on water-permselectivity for aqueous ethanol solutions. 1997 , 124, 203-211 | 67 |
| 1834 | Compositions and surface energies of plasma-deposited multilayer fluorocarbon thin films. 1997 , 96, 210-222 | 16 |
| 1833 | 70cm radio frequency hollow cathode plasma source for modification of foils and membranes. 1997 , 97, 759-767 | 13 |
| 1832 | Surface phenomena and polymer miscibility of PVC/EVA blends. 1997 , 57, 1159-1165 | 15 |
| 1831 | Study of fibre surface treatments for control of interphase properties in composites. 1997 , 57, 1077-1088 | 61 |
| 1830 | Surface modification of halogenated polymers: 1. Polytetrafluoroethylene. 1997 , 38, 3295-3305 | 27 |
| 1829 | Reactivity of a polymerizable amine activator in the free radical copolymerization with methyl methacrylate and surface properties of copolymers. 1997 , 38, 4365-4372 | 20 |
| 1828 | Synthesis and inverse gas chromatographic characterization of polyesters containing pyridine units in the main chain. 1997 , 38, 5887-5892 | 4 |
| 1827 | Adhesion improvement of epoxy resin/polyethylene joints by plasma treatment of polyethylene. 1997 , 38, 6243-6249 | 71 |
| 1826 | Silicon-modified carbohydrate surfactants. IV. The impact of substructures on the wetting behaviour of siloxanyl-modified carbohydrate surfactants on low-energy surfaces. 1997 , 11, 617-632 | 37 |
| 1825 | Silicon-Modified Carbohydrate Surfactants V: The Wetting Behaviour of Low-Molecular-Weight Siloxane, Carbosilane, Silane and Polysilane Precursors on Low-Energy Surfaces. 1997 , 11, 645-657 | 24 |
| 1824 | Physicochemical and biological studies of corona-treated artificial membranes used for pancreatic islets encapsulation: mechanism of diffusion and interface modification. 1997 , 34, 235-45 | 17 |
| 1823 | Investigation of Surface-Molecule Interactions on the Silica Gel Surface by the Gas Phase Titration Method. 1997 , 187, 447-52 | 2 |
| 1822 | Estimation of the Surface Tension of a Solid: Application to a Liquid Crystalline Polymer. 1997 , 189, 361-369 | 84 |
| 1821 | Determination of the Surface Tension of Microporous Membranes Using Contact Angle Measurements. 1997 , 194, 281-6 | 34 |

| | | |
|------|--|------|
| 1820 | Some Reflections on Acid-Base Solid Surface Free Energy Theories. 1997 , 195, 121-36 | 306 |
| 1819 | Dépôt par polymérisation par plasma d'allylamine sur membrane poreuse. Application à la décoloration de solutions sucrées. 1997 , 33, 641-648 | 8 |
| 1818 | Structure and reactivity of water at biomaterial surfaces. 1998 , 74, 69-117 | 1137 |
| 1817 | New insights into kinetics and thermodynamics of interfacial polymerization. 1998 , 53, 2649-2663 | 59 |
| 1816 | The behavior of hydrocolloid coatings on vegetative materials. 1998 , 14, 756-65 | 29 |
| 1815 | Influence of ethyl xanthate on the wettability and surface free energy of synthetic chalcocite. 1998 , 95, 234-239 | 3 |
| 1814 | Correlation between surface tension and physical paint properties. 1998 , 33, 197-201 | 17 |
| 1813 | A Generalized Drop Length-Height Method for Determination of Contact Angle in Drop-on-Fiber Systems. 1998 , 197, 68-77 | 84 |
| 1812 | The Influence of Thermal Treatment of Silica Gel on Surface Molecule Interactions. 1998 , 201, 180-185 | 15 |
| 1811 | The Influence of Thermal Treatment of Silica Gel on Surface Molecule Interactions. 1998 , 201, 186-193 | 2 |
| 1810 | Surface Properties of Fluorosilicone Copolymers and Their Surface Modification Effects on PVC Film. 1998 , 205, 417-422 | 19 |
| 1809 | Low-Rate Dynamic Contact Angles on Poly(methyl methacrylate) and the Determination of Solid Surface Tensions. 1998 , 206, 44-51 | 73 |
| 1808 | On the Surface Free Energy of PVC/EVA Polymer Blends: Comparison of Different Calculation Methods. 1998 , 208, 319-328 | 71 |
| 1807 | Silicon-modified carbohydrate surfactants VI: Synthesis of carbosilane, silane, polysilane and non-permethyated siloxane derivatives; the wetting behaviour of epoxy-modified precursor liquids on non-polar surfaces. 1998 , 12, 47-58 | 20 |
| 1806 | Silicon-modified carbohydrate surfactants. VII: Impact of different silicon substructures on the wetting behaviour of carbohydrate surfactants on low-energy surfaces. Distance decay of donor-acceptor forces. 1998 , 12, 265-276 | 35 |
| 1805 | Silicon-modified carbohydrate surfactants IX: dynamic wetting of a perfluorinated solid surface by solutions of a siloxane surfactant above and below the critical micelle concentration. 1998 , 12, 843-853 | 11 |
| 1804 | Adhesion of edible oils to food contact surfaces. 1998 , 75, 447-454 | 47 |
| 1803 | Effect of chain end group hydrophobicity on surface aggregation structure of poly(styrene-block-4-vinylpyridine) symmetric diblock copolymer films. 1998 , 39, 2615-2620 | 11 |

| | | |
|------|---|-----|
| 1802 | Miscibility and surface crystal morphology of blends containing poly(vinylidene fluoride) by atomic force microscopy. 1998 , 39, 7131-7134 | 53 |
| 1801 | Surface modification of halogenated polymers. 2. Chloro- and fluoropolymers. 1998 , 39, 4867-4873 | 10 |
| 1800 | Determination of the surface tension of microporous membranes using wetting kinetics measurements. 1998 , 134, 299-304 | 34 |
| 1799 | Determination of surface energy and wettability of wood resins. 1998 , 133, 261-268 | 28 |
| 1798 | Effect of passivation and dry heat-sterilization on surface energy and topography of unalloyed titanium implants. 1998 , 135, 89-101 | 29 |
| 1797 | Measuring and interpreting contact angles: a complex issue. 1998 , 142, 219-235 | 91 |
| 1796 | A reference guide to microbial cell surface hydrophobicity based on contact angles. 1998 , 11, 213-221 | 190 |
| 1795 | Low-rate dynamic contact angles on polystyrene and the determination of solid surface tensions. 1998 , 38, 1675-1684 | 74 |
| 1794 | Formation of hydrophilic microporous membranes via thermally induced phase separation. 1998 , 142, 213-224 | 62 |
| 1793 | Effect of mesogenic groups on characteristics of permeation and separation for benzene/cyclohexane mixtures of side-chain liquid-crystalline polymer membranes. 1998 , 143, 93-104 | 24 |
| 1792 | The influence of processing parameters on interphase morphology in polymer composites based on phase-separating thermoplast/epoxy blends. 1998 , 29, 1243-1250 | 35 |
| 1791 | Evaluating fiber-matrix interaction in polymer-matrix composites by inverse gas chromatography. 1998 , 29, 1273-1281 | 41 |
| 1790 | Synthesis and Surface Properties of Polybutadiene Chains End-Capped with Two Types of Fluorosilicon Groups. 1998 , 35, 1941-1955 | 3 |
| 1789 | Low-rate Dynamic Contact Angles on Poly(methyl methacrylate/n-butyl methacrylate) and the Determination of Solid Surface Tensions. 1998 , 68, 229-255 | 25 |
| 1788 | Bacterial adhesion to polymer surfaces: a critical review of surface thermodynamic approaches. 1997 , 9, 55-74 | 77 |
| 1787 | Thin Film Growth and Surface Modification by keV Ion Beam. 1998 , 37, 6984-6990 | 1 |
| 1786 | Evaluation of the Lifshitz-van Der Waals/Acid-Base Approach To Determine Interfacial Tensions. 2. Interfacial Tensions of Liquid-Liquid Systems. 1998 , 14, 2548-2553 | 44 |
| 1785 | Surface Properties of the Fluorine-Containing Graft Copolymer of Poly((perfluoroalkyl)ethyl methacrylate)-g-poly(methyl methacrylate). 1998 , 31, 7555-7558 | 92 |

| | | |
|------|--|-----|
| 1784 | Low-Rate Dynamic Contact Angles on Noninert Poly(propene-alt-N-(n-alkyl)maleimide) Copolymers by an Automated Axisymmetric Drop Shape Analysis (ADSAB). 1998 , 14, 2221-2224 | 23 |
| 1783 | Plasma Copolymerization of Allyl Alcohol/1,7-Octadiene: Surface Characterization and Attachment of Human Keratinocytes. 1998 , 10, 1176-1183 | 57 |
| 1782 | Surface Free Energy, Adsorption and Zeta Potential in Leacril/Tannic Acid System. 1998 , 14, 5237-5244 | 30 |
| 1781 | Surface Molecular Aggregation Structure and Surface Molecular Motions of High-Molecular-Weight Polystyrene/Low-Molecular-Weight Poly(methyl methacrylate) Blend Films. 1998 , 31, 863-869 | 103 |
| 1780 | Surface modification of polyolefins by photografting of acrylic monomers. 1998 , 129, 99-108 | 26 |
| 1779 | Contact angles and surface energetics. 1998 , 170-184 | 24 |
| 1778 | Enhanced interfacial adhesion of ultra-high molecular weight polyethylene (UHMWPE) fibers by oxygen plasma treatment. 1998 , 12, 731-748 | 36 |
| 1777 | Surface Energy and Wettability of Modified Cellulosic Fibres for Use in Composite Materials. 1998 , 67, 359-374 | 15 |
| 1776 | Bovine serum albumin adsorption onto immobilized organotrichlorosilane surface: influence of the phase separation on protein adsorption patterns. 1998 , 9, 131-50 | 151 |
| 1775 | Characterization of interfaces. 1998 , 5-41 | 4 |
| 1774 | Surface modification of high density polyethylene and polypropylene by DC glow discharge and adhesive bonding to steel. 1998 , 12, 1181-1204 | 28 |
| 1773 | Effect of Surface Treatments on Adsorption and Tribology of the Diamond-Like-Carbon Layer for Metal-Evaporated Tape. 1998 , 37, 6153-6156 | 1 |
| 1772 | Depth dependence of modified bond on surface processed PTFE using high E/n discharge. | |
| 1771 | An Environmentally-Friendly Process for Bonding Aluminum Using Aqueous Metasilicate Sol-Gel and Silane Adhesion Promoters. 1998 , 68, 315-329 | 7 |
| 1770 | Peeling of Acrylic Pressure Sensitive Adhesives: Cross-Linked versus Uncross-Linked Adhesives. 1998 , 68, 93-116 | 34 |
| 1769 | Work of adhesion and local bond strength in glass fibre-thermoplastic polymer systems. 1998 , 12, 305-322 | 21 |
| 1768 | Surface and Corrosion Characteristics of a-C:H/Fluorocarbon Films. 1998 , 67, 81-95 | 7 |
| 1767 | Importance of surface tension for physical paint properties. 1998 , 126, 295-306 | 6 |

| | | |
|------|---|-----|
| 1766 | Roles of Unsaturated Polyester in the Epoxy Matrix System. 1999 , 31, 28-31 | 48 |
| 1765 | Determination of contact angles: Consistency between experiment and theory. 1999 , 86, 2920-2922 | 8 |
| 1764 | Generation of high pretilt angle and surface anchoring strength in nematic liquid crystal on a rubbed polymer surface. 1999 , 86, 3594-3597 | 23 |
| 1763 | Manufacture and Physical Properties of Silicon-Organic Films for LC Alignment. 1999 , 329, 293-304 | 7 |
| 1762 | Hydrophobicity loss and recovery of silicone HV insulation. 1999 , 6, 695-702 | 119 |
| 1761 | Polymers for Biomedical Applications: Improvement of the Interface Compatibility. 2000 , 1-57 | 125 |
| 1760 | Determination of surface energy of polymers by force microscopy. 1999 , 85, 1231-1233 | 14 |
| 1759 | Loss and recovery of hydrophobicity, surface energies, diffusion coefficients and activation energy of nylon. 1999 , 6, 754-762 | 10 |
| 1758 | Surface free energy of polymeric materials : relevancy of conventional contact angle data analyses. 1999 , 13, 857-870 | 35 |
| 1757 | Synthesis of copolymers containing 3-hydroxycyclohexyl methacrylate and their application as ArF excimer laser resists. 1999 , 40, 273-276 | 7 |
| 1756 | Inverse gas chromatographic study of some polyethers. 1999 , 40, 983-987 | 8 |
| 1755 | Study on surface structure of amorphous polymer blends on the basis of lateral force microscopy. 1999 , 40, 5631-5636 | 9 |
| 1754 | Poly(2-trimethylsilyl-2-propyl methacrylate-co- ϵ -butyrolactone-2-yl methacrylate) for ArF lithography. 1999 , 40, 5213-5217 | 7 |
| 1753 | Direct fluorination of poly(vinyl trimethylsilane) and poly(phenylene oxide). 1999 , 93, 129-137 | 21 |
| 1752 | Adhesion of food emulsions to packaging and equipment surfaces. 1999 , 149, 107-121 | 37 |
| 1751 | Thermodynamics for the preparation of micron-sized, monodispersed highly monomer-'adsorbed' polymer particles utilizing the dynamic swelling method. 1999 , 153, 153-159 | 4 |
| 1750 | Fine structure of a perturbed wetting triple line. 1999 , 156, 71-77 | 12 |
| 1749 | Acid base contributions to interfacial free energy: self-consistency considerations. 1999 , 327, 275-283 | 1 |

| | | |
|------|--|---------|
| 1748 | Microstructural and wettability study of surface pretreated glass fibres. 1999 , 92-93, 129-134 | 36 |
| 1747 | Influence of the adhesion force crystal/heat exchanger surface on fouling mitigation. 1999 , 38, 449-461 | 89 |
| 1746 | Physico-chemistry of initial microbial adhesive interactions--its mechanisms and methods for study. 1999 , 23, 179-230 | 722 |
| 1745 | Contact angle measurement and contact angle interpretation. 1999 , 81, 167-249 | 1036 |
| 1744 | Surface analysis of unsized and sized carbon fibers. 1999 , 37, 1105-1114 | 148 |
| 1743 | The Lowest Surface Free Energy Based on θ F3 Alignment. 1999 , 15, 4321-4323 | 936 |
| 1742 | Surface defects: Diagnosis and cure. 1999 , 71, 56-73 | 21 |
| 1741 | Wettability of silicone rubber maxillofacial prosthetic materials. 1999 , 81, 439-43 | 35 |
| 1740 | Some theoretical and experimental limitations in the determination of surface free energy of siliceous solids. 1999 , 102, 120-126 | 21 |
| 1739 | The effect of PVD layer constitution on surface free energy. 1999 , 355-356, 367-373 | 53 |
| 1738 | Hydrophilic group formation on hydrocarbon polypropylene and polystyrene by ion-assisted reaction in an O ₂ environment. 1999 , 152, 291-300 | 20 |
| 1737 | Wettability and surface free energy of glass in the presence of cetyltrimethylammonium bromide. 1999 , 58, 166-171 | 11 |
| 1736 | A Critique of the Mathematical Coherence of Acid/Base Interfacial Free Energy Theory. 1999 , 215, 170-178 | 47 |
| 1735 | Estimation of the Surface Properties of Styrene-Acrylonitrile Random Copolymers from Contact Angle Measurements. 1999 , 217, 94-106 | 58 |
| 1734 | Characterization of Several Polymer Surfaces by Streaming Potential and Wetting Measurements: Some Reflections on Acid-Base Interactions. 1999 , 217, 377-387 | 70 |
| 1733 | Interaction between a Solute Molecule and a Fluorocarbon Bonded Layer in Reversed-Phase High-Performance Liquid Chromatography. 1999 , 220, 123-127 | 3 |
| 1732 | Incorporation of fluorinated surfactants into polysulfone films and asymmetric gas separation membranes. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 163-175 | 2.9 4 |
| 1731 | Sorption and diffusion of water, salt water, and concrete pore solution in composite matrices. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 483-492 | 2.9 103 |

| | | | |
|------|---|-----|-----|
| 1730 | Preparation and properties of polar polypropylene blends containing phenolic resin. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 1029-1038 | 2.9 | 2 |
| 1729 | Graft copolymerization of mixtures of acrylic acid and acrylamide onto polypropylene film. <i>Journal of Applied Polymer Science</i> , 1999 , 72, 251-256 | 2.9 | 37 |
| 1728 | Relation between hydrophilicity and cell culturing on polystyrene Petri dish modified by ion-assisted reaction. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 41-46 | 2.9 | 22 |
| 1727 | Relation between the phase structure and surface structure of films made from polyurethane dispersions. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 741-748 | 2.9 | 10 |
| 1726 | Durability in the life cycle of polymer composites. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 1427-1434 | 2.9 | 2 |
| 1725 | Surface properties of perfluoroalkylethyl acrylate/n-alkyl acrylate copolymers. <i>Journal of Applied Polymer Science</i> , 1999 , 73, 1741-1749 | 2.9 | 118 |
| 1724 | Surface free energy and pretilt angle on rubbed polyimide surfaces. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 267-271 | 2.9 | 40 |
| 1723 | Acrylonitrile copolymers: Synthesis, characterization, and formation of ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 1271-1277 | 2.9 | 11 |
| 1722 | XPS and water contact angle measurements on aged and corona-treated PP. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 1846-1850 | 2.9 | 46 |
| 1721 | Synthesis of urethane graft copolymers with perfluoroalkyl and silicone-containing side chains and their surface properties. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 2029-2038 | 2.9 | 26 |
| 1720 | Hydrophilic acrylic biomaterials derived from vitamin E with antioxidant properties. 1999 , 45, 184-91 | | 22 |
| 1719 | Hydrophobicity, surface tension, and zeta potential measurements of glass-reinforced hydroxyapatite composites. 1999 , 45, 370-5 | | 101 |
| 1718 | Characterization of polyethylene surfaces heated after plasma fluorination. 1999 , 27, 653-658 | | 18 |
| 1717 | Sorption, diffusion and pervaporation of water/ethanol mixtures in polyetherimide membranes. 1999 , 48, 171-180 | | 33 |
| 1716 | Low-rate dynamic contact angles on poly(methyl methacrylate/ethyl methacrylate, 30/70) and the determination of solid surface tensions. 1999 , 37, 2039-2051 | | 9 |
| 1715 | Synthesis and characterization of aromatic polymers derived from 5-perfluoroalkylisophthalic acid. 1999 , 37, 1135-1141 | | 12 |
| 1714 | Silicon-modified carbohydrate surfactants VIII. Equilibrium wetting of perfluorinated solid surfaces by solutions of surfactants above and below the critical micelle concentration. Surfactant distribution between liquid-vapour and solid-liquid interfaces. 1999 , 13, 21-28 | | 10 |
| 1713 | Silicon-modified surfactants and wetting: V. The spreading behaviour of trimethylsilane surfactants on energetically different solid surfaces. 1999 , 13, 845-855 | | 17 |

| | | |
|------|---|-----|
| 1712 | Rheology of a viscoelastic emulsion with a liquid crystalline polymer dispersed phase. 1999 , 43, 1583-1598 | 20 |
| 1711 | Hydrophobicity changes in silicone rubbers. 1999 , 6, 703-717 | 232 |
| 1710 | Interface molecular engineering of carbon-fiber composites. 1999 , 30, 49-57 | 45 |
| 1709 | Surface modification tailors the characteristics of biomimetic coatings nucleated on starch-based polymers. 1999 , 10, 827-35 | 50 |
| 1708 | Preparation and surface properties of silica-gel coating films containing branched-polyfluoroalkylsilane. 1999 , 246, 54-64 | 40 |
| 1707 | Electrical surface resistance, hydrophobicity and diffusion phenomena in PVC. 1999 , 6, 73-83 | 17 |
| 1706 | Morphology and percolation conductivity of polymer blends containing carbon black. 1999 , 38, 615-622 | 65 |
| 1705 | Polymer Surface-Induced Order of Liquid Crystalline Molecular Alignment Based on Nematic-Botropic Phase Transition Behavior. 1999 , 31, 160-166 | 4 |
| 1704 | Thermodynamic and Micromechanical Approaches to the Adhesion between Polyethylene Terephthalate and Silicon Oxide. 1999 , 69, 13-30 | 14 |
| 1703 | Surface Energetics of Polymers and Rubbers, Characterization of. 2000 , | |
| 1702 | Effects of flux residue and thermomechanical stresses on delamination failure in flip chip packages. | 2 |
| 1701 | Calcium phosphate deposition on titanium surfaces in the presence of fibronectin. 2000 , 49, 345-52 | 42 |
| 1700 | Surface study of ladderlike polyepoxysiloxanes. 2000 , 38, 138-147 | 14 |
| 1699 | Surface free energy of ladderlike polyepoxysiloxane-diamine reaction systems. 2000 , 38, 1449-1460 | 8 |
| 1698 | Silicon-modified surfactants and wetting: IV. Spreading behaviour of trisiloxane surfactants on energetically different solid surfaces. 2000 , 14, 177-188 | 23 |
| 1697 | Experimental Study on Contact Angle Patterns: Liquid Surface Tensions Less Than Solid Surface Tensions. 2000 , 225, 323-328 | 27 |
| 1696 | Studies on the Surface Free Energy of Carbon-Carbon Composites: Effect of Filler Addition on the ILSS of Composites. 2000 , 226, 60-64 | 27 |
| 1695 | Static and Dynamic Wetting Behavior of Triglycerides on Solid Surfaces. 2000 , 227, 380-389 | 40 |

| | | |
|------|---|-----|
| 1694 | Studies on Surface Free Energy of an Anhydride-Epoxy Cured System: Effect of Side Alkenyl Chain Length of Hardener on Tensile and Impact Properties. 2000 , 228, 90-94 | 10 |
| 1693 | Effect of Fiber-Polymer Interactions on Fracture Toughness Behavior of Carbon Fiber-Reinforced Epoxy Matrix Composites. 2000 , 228, 287-291 | 79 |
| 1692 | On Neglecting the Polar Nature of Halogenated Hydrocarbons in the Surface Energy Determination of Polar Solids from Contact Angle Measurements. 2000 , 229, 644-647 | 15 |
| 1691 | Physical organic probes of interfacial wettability reveal the importance of surface dipole effects. 2000 , 13, 796-807 | 49 |
| 1690 | The effect of surface properties on CaSO ₄ scale formation during convective heat transfer and subcooled flow boiling. 2000 , 78, 12-20 | 31 |
| 1689 | Modification de membrane PVDF par plasma d'acide acrylique et de nonafluorobutylthylène. 2000 , 36, 1911-1919 | 8 |
| 1688 | Ageing of the oxyfluorinated polypropylene surface: evolution of the acid-base surface characteristics with time. 2000 , 105, 87-93 | 22 |
| 1687 | Synthèse de poly(etherimide)s à chaînes perfluoroalkyles latérales. 2000 , 106, 163-172 | 2 |
| 1686 | Chemical modification of starch based biodegradable polymeric blends: effects on water uptake, degradation behaviour and mechanical properties. 2000 , 70, 161-170 | 136 |
| 1685 | Vinylpyrrolidone-N,N'-dimethylacrylamide water-soluble copolymers: synthesis, physical-chemical properties and proteic interactions. 2000 , 21, 1631-43 | 27 |
| 1684 | DNA-based polymer hybrids Part 1. Compatibility and physical properties of poly(vinyl alcohol)/DNA sodium salt blend. 2000 , 41, 2847-2853 | 28 |
| 1683 | Investigation of surface energy for organic light emitting polymers and indium tin oxide. 2000 , 371, 140-147 | 57 |
| 1682 | Plasma surface treatment of PCL/PC blend sheets. 2000 , 40, 2324-2331 | 24 |
| 1681 | Contact angle interpretation in terms of solid surface tension. 2000 , 161, 31-48 | 191 |
| 1680 | Contact angle interpretation: re-evaluation of existing contact angle data. 2000 , 161, 49-62 | 39 |
| 1679 | Solvatochromism as an alternative for contact angle measurements in the characterisation of modified polymer surfaces. 2000 , 161, 75-80 | 2 |
| 1678 | Effect of acid-base properties of unsized and sized carbon fibers on fiber/epoxy matrix adhesion. 2000 , 164, 325-336 | 124 |
| 1677 | Modification of molecular interactions at the interface crystal/heat transfer surface to minimize heat exchanger fouling. 2000 , 39, 697-708 | 54 |

| | | |
|------|---|----|
| 1676 | Characterization of film surface treated with ECR plasma by Doppler broadening. 2000 , 58, 607-614 | 5 |
| 1675 | Mechanical characterization and tribological evaluation of ion-beam-assisted sputter coatings of carbon with nitrogen incorporation. 2000 , 123, 177-184 | 22 |
| 1674 | Properties of interfacial adhesion for vibration controllability of composite materials as smart structures. 2000 , 60, 1953-1963 | 17 |
| 1673 | Advances in dropwise condensation heat transfer: Chinese research. 2000 , 78, 87-93 | 73 |
| 1672 | An approach to fluorinated surface coatings via photoinitiated cationic cross-linking of mixed epoxy and fluoroepoxy systems. 2000 , 102, 269-277 | 31 |
| 1671 | Adhesion-promoted copolymers based on norbornene derivatives and maleic anhydride for 193-nm photoresists. 2000 , 41, 8035-8039 | 5 |
| 1670 | Hydrophilic surface formation on materials and its applications. 2000 , 128-129, 66-70 | 26 |
| 1669 | Wet adhesion of low-VOC coatings on wood. 2000 , 38, 223-240 | 41 |
| 1668 | Evolution of surface structure and chemistry of pigmented coatings during drying. 2000 , 38, 43-52 | 29 |
| 1667 | Chemical, optical and tribological characterization of perfluoropolymer films as an anti-stiction layer in micro-mirror arrays. 2000 , 377-378, 727-732 | 18 |
| 1666 | Coating of polymers with titanium-based layers by a novel plasma-assisted chemical vapor deposition process. 2000 , 377-378, 755-759 | 27 |
| 1665 | Plasmachemical Functionalization of Solid Surfaces with Low Surface Energy Perfluorocarbon Chains. 2000 , 16, 6287-6293 | 75 |
| 1664 | Fluorinated Pitch. 2000 , 591-623 | |
| 1663 | Contact angle measurements and interpretation: wetting behavior and solid surface tensions for poly(alkyl methacrylate) polymers. 2000 , 14, 719-743 | 29 |
| 1662 | Contact angles. 2000 , 3, A4.1-A4.16 | |
| 1661 | Adhesion studies for flip-chip assemblies. | 1 |
| 1660 | Adhesion studies of polyimide-epoxy interfaces in flip chip assemblies. | 2 |
| 1659 | Study of the System Wood [Coating Material. I. Wood [Liquid Coating Material. 2000 , 54, 189-196 | 13 |

| | | |
|------|---|-----|
| 1658 | On the determination of the surface energetics of porous polymer materials. 2000 , 14, 765-775 | 32 |
| 1657 | Azimuthal Anchoring Energy and Pretilt angle of Photo-aligned Nematic Liquid Crystals on a Polyimide and Poly(vinyl cinnamate) Blend Alignment Layer. 2000 , 338, 99-115 | 11 |
| 1656 | Surface Free Energy Analysis of Natural and Modified Natural Rubber Latex Films by Contact Angle Method. 2000 , 16, 1407-1414 | 50 |
| 1655 | Mapping Polymer Heterogeneity Using Atomic Force Microscopy Phase Imaging and Nanoscale Indentation. 2000 , 33, 2573-2583 | 196 |
| 1654 | Plasticized Starch/Tunicin Whiskers Nanocomposites. 1. Structural Analysis. 2000 , 33, 8344-8353 | 563 |
| 1653 | Friction, Surface Oxidation, and Polar Free Energy for Polymer Surfaces by Chemical Force Microscopy. 2000 , 12, 2106-2111 | 20 |
| 1652 | Acid-Base interactions and covalent bonding at a fiber-matrix interface: contribution to the work of adhesion and measured adhesion strength. 2000 , 14, 415-436 | 66 |
| 1651 | Influence of silane coupling agents on the surface energetics of glass fibers and mechanical interfacial properties of glass fiber-reinforced composites. 2000 , 14, 1677-1689 | 46 |
| 1650 | Nanostructured Materials from Radially Layered Copolymeric Amidoamine-Organosilicon (PAMAMOS) Dendrimers. 2000 , 353, 223-236 | 9 |
| 1649 | The chemical structure and stability of plasma-deposited thin hydrocarbon layers on polyethylene. 2000 , 14, 867-878 | 1 |
| 1648 | C30 Self-Assembled Monolayers on Silica, Titania, and Zirconia: HPLC Performance, Atomic Force Microscopy, Ellipsometry, and NMR Studies of Molecular Dynamics and Uniformity of Coverage. 2000 , 122, 6997-7011 | 56 |
| 1647 | Characterization of Heterogeneous Regions in Polymer Systems Using Tapping Mode and Force Mode Atomic Force Microscopy. 2000 , 16, 9448-9459 | 90 |
| 1646 | Surface Tension Measurements on Ethene-Butene Random Copolymers and Different Polypropenes. 2000 , 33, 6120-6125 | 34 |
| 1645 | Effect of $\text{-(CF}_3)_2\text{-}$ on the Surface Energy of Main-Chain Liquid Crystalline and Crystalline Polymers. 2001 , 105, 4145-4150 | 24 |
| 1644 | Wettability and surface free energy of corona-treated biaxially-oriented polypropylene film. 2001 , 15, 1769-1785 | 42 |
| 1643 | Reversible and Irreversible Adhesion of Polymers: Possibilities for Measurement and Calculation. 2001 , 75, 89-127 | 7 |
| 1642 | Loss and recovery of hydrophobicity and surface energy of HTV silicone rubber. 2001 , 8, 1088-1097 | 43 |
| 1641 | Peel testing of adhesively bonded thin metallic plates with control of substrate plastic straining and of debonding mode mixity. 2001 , 15, 1165-1188 | 4 |

| | | |
|------|---|-----|
| 1640 | Surface analysis and printability studies on electron beam-irradiated thermoplastic elastomeric films from LDPE and EVA blends. 2001 , 15, 303-320 | 4 |
| 1639 | Surface Chemical Structure and Cell Adhesion onto Ion Beam Modified Polysiloxane. 2001 , 17, 2243-2250 | 59 |
| 1638 | Atomic Force Microscopy for Low-Adhesion Surfaces: Thermodynamic Criteria, Critical Surface Tension, and Intermolecular Forces. 2001 , 17, 1905-1912 | 24 |
| 1637 | Surface treatment and characterization of PMMA, PHEMA, and PHPMA. 2001 , 19, 1490-1496 | 63 |
| 1636 | Surface Enrichment of Fluorochemical-Doped Polypropylene Films. 2001 , 17, 4050-4055 | 27 |
| 1635 | Functionalizing Polymer Surfaces by Field-Induced Migration of Copolymer Additives. 1. Role of Surface Energy Gradients. 2001 , 34, 4572-4579 | 56 |
| 1634 | Influence of ceramic surface treatment on peel-off strength between aluminum nitride and epoxy-modified polyaminobismaleimide adhesive. 2001 , 24, 104-112 | 20 |
| 1633 | Structure and Surface Properties of Liquid Crystalline Fluoroalkyl Polyacrylates: Role of the Spacer. 2001 , 17, 7237-7244 | 99 |
| 1632 | Combinatorial Mapping of Polymer Film Wettability On Gradient Energy Surfaces. 2001 , 700, 471 | 3 |
| 1631 | Release Agents. 2001 , | |
| 1630 | The impact of manufacturing flexibility upon marketing strategies. 2001 , 3, 88 | 1 |
| 1629 | Adhesion of Polymers onto Metals in Terms of Bipolar Properties of Solid Surfaces. 2001 , 74, 72-81 | |
| 1628 | Wetting of ultrathin layers of polystyrene studied by atomic force microscopy. 2001 , 132, 729-736 | 1 |
| 1627 | Dropwise condensation heat transfer of steam on a polytetrafluoroethylene film. 2001 , 10, 247-253 | 10 |
| 1626 | Surface chemical characterisation of Paenibacillus polymyxa before and after adaptation to sulfide minerals. 2001 , 62, 3-25 | 45 |
| 1625 | Elaboration and adhesion of zinc oxide coatings on poly-ether-ether-ketone films. 2001 , 138, 84-94 | 15 |
| 1624 | The use of surface preparations and fillers in the promotion of cohesive failure of EA 946/aluminum bondlines. 2001 , 140, 1-10 | 4 |
| 1623 | A review of dendritic hyperbranched polymer as modifiers in epoxy composites. 2001 , 61, 787-795 | 202 |

| | | |
|------|--|--------|
| 1622 | Surface properties of polyamides investigated by inverse gas chromatography. 2001 , 42, 3463-3466 | 16 |
| 1621 | Effect of addition of fluoroethers to organic solvents for lithium ion secondary batteries. 2001 , 111, 167-174 | 49 |
| 1620 | Hydrophilic hybrid IPNs of segmented polyurethanes and copolymers of vinylpyrrolidone for applications in medicine. 2001 , 22, 1971-85 | 71 |
| 1619 | Effect of chemical composition on hydrophobicity and zeta potential of plasma sprayed HA/CaO-P2O5 glass coatings. 2001 , 22, 3105-12 | 33 |
| 1618 | Adhesion under water: surface energy considerations. 2001 , 21, 267-273 | 92 |
| 1617 | The use of flame ionisation technology to improve the wettability and adhesion properties of wood. 2001 , 21, 107-114 | 19 |
| 1616 | Adhesion and components of solid surface energies. 2001 , 6, 28-33 | 119 |
| 1615 | A study on the adhesion enhancement of polyetherimide to Si wafer using an Al-chelate treatment during multichip module fabrication. 2001 , 83, 111-118 | |
| 1614 | A comparison of different methods to calculate the surface free energy of wood using contact angle measurements. 2001 , 181, 279-287 | 202 |
| 1613 | A new method to measure in vivo human skin hydrophobia. 2001 , 23, 347-52 | 21 |
| 1612 | Polyamides incorporating furan moieties: 4. Synthesis, characterisation and properties of a homologous series. 2001 , 50, 509-514 | 21 |
| 1611 | Plasma modification of PTFE surfaces. Part I: Surfaces immediately following plasma treatment. 2001 , 31, 385-396 | 127 |
| 1610 | Preparation of Water-Repellent Glass by Sol-Gel Process Using Perfluoroalkylsilane and Tetraethoxysilane. 2001 , 235, 130-134 | 112 |
| 1609 | Effect of Corona Discharge Treatment on the Dyeability of Low-Density Polyethylene Film. 2001 , 236, 155-160 | 55 |
| 1608 | Interfacial Characteristics and Fracture Toughness of Electrolytically Ni-Plated Carbon Fiber-Reinforced Phenolic Resin Matrix Composites. 2001 , 237, 91-97 | 78 |
| 1607 | Effect of Silane Coupling Agent on Interphase and Performance of Glass Fibers/Unsaturated Polyester Composites. 2001 , 242, 174-179 | 131 |
| 1606 | Surface modification of HDPE and PP by mechanical polishing and DC glow discharge and their adhesive joining to steel. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 1140-1149 | 2.9 21 |
| 1605 | Studies on surface energetics of glass fabrics in an unsaturated polyester matrix system: Effect of sizing treatment on glass fabrics. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 1439-1445 | 2.9 29 |

| | | | |
|------|--|-----|----|
| 1604 | Energetic studies on epoxy-polyurethane interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 775-780 | 2.9 | 44 |
| 1603 | Effect of sintering on surface chemistry and surface energy of pigmented latex coatings. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 968-975 | 2.9 | 1 |
| 1602 | Water-soluble esters of biosynthetic poly(γ -glutamic acid). <i>Journal of Applied Polymer Science</i> , 2001 , 82, 2027-2036 | 2.9 | 7 |
| 1601 | Vakuumbeschichtung von Kunststoffen auf Cycloolefinbasis für optische Anwendungen. 2001 , 13, 355-358 | | |
| 1600 | Membranes polysulfone et polysulfone modifiées pour la deshydratation de l'éthanol par pervaporation. 2001 , 37, 1543-1551 | | 6 |
| 1599 | Surface Modification of Microphase-Separated Membranes by Fluorine-Containing Polymer Additive and Removal of Dilute Benzene in Water through These Membranes. 2001 , 34, 8026-8033 | | 38 |
| 1598 | Formation of polymeric films on cellulosic surfaces by admicellar polymerization. 2001 , 8, 303-312 | | 51 |
| 1597 | Applied surface analysis in magnetic storage technology. 2001 , 179, 167-180 | | 23 |
| 1596 | Incorporation of methyl groups into hard segments of segmented polyurethane: microphase separation and adhesive properties. 2001 , 21, 71-75 | | 15 |
| 1595 | A study on adhesion and footing issues of HMDSO films as bottom antireflective coating for deep UV lithographies. 2001 , 57-58, 555-561 | | 3 |
| 1594 | Enhanced adhesion between polycarbonate substrates and tin-doped indium oxide films by ion-assisted reaction. 2001 , 175-177, 505-510 | | 4 |
| 1593 | Wood Surface Energy and Time Dependence of Wettability: A Comparison of Different Wood Surfaces Using an Acid-Base Approach. 2001 , 55, 433-440 | | 21 |
| 1592 | Removal of Submicrometer Particles from Silicon Wafer Surfaces Using HF-Based Cleaning Mixtures. 2001 , 148, G683 | | 31 |
| 1591 | Prepreg Treatment with Ar ⁺ Ion Irradiation to Improve GICOF Unidirectional Graphite/Epoxy Laminated Composites. 2001 , 35, 1684-1697 | | 1 |
| 1590 | Attachment Strength of <i>Limnoperna fortunei</i> on Substrates, and their Surface Properties. 2001 , 17, 29-39 | | 17 |
| 1589 | Determination of polarity parameters for glass fibres by inverse gas chromatography: Some results and remarks. 2001 , 15, 1373-1389 | | 11 |
| 1588 | Release Agents. 2001 , | | |
| 1587 | Investigation of some phenomena occurring during continuous ink-jet printing of ceramics. 2001 , 16, 373-384 | | 32 |

| | | |
|------|--|-----|
| 1586 | Acid-base components of solid surfaces and the triboelectric series. 2001 , 54, 320-322 | 28 |
| 1585 | Homeotropic Alignment Properties of Nematic Liquid Crystal on UV-Exposed Alignment Film. 2001 , 40, L765-L768 | 9 |
| 1584 | Surface modification of glass by oligomeric fluoroalkylating agents having oxime-blocked isocyanate groups. 2001 , 15, 1305-1322 | 3 |
| 1583 | The influence of UV-irradiation on poly(vinyl chloride) modified by poly(vinyl acetate). 2002 , 507-510, 877-882 | 26 |
| 1582 | End-capped fluoroalkyl-functional silanes. Part I: Modification of glass. 2002 , 16, 1103-1120 | 9 |
| 1581 | EVALUATION OF THE ADHESION QUALITY BETWEEN DIFFERENTLY TREATED CARBON FIBERS AND AN IN-SITU POLYMERIZED POLYAMIDE 12 SYSTEM. 2002 , 41, 745-759 | 6 |
| 1580 | SURFACE STRUCTURE AND PROPERTIES OF MULTICOMPONENT MICROPATTERNED ORGANOSILANE MONOLAYERS PREPARED BY STEPWISE PHOTODECOMPOSITION AND CHEMISORPTION PROCESS. 2002 , 01, 419-423 | 10 |
| 1579 | The Analysis of Oxygen Plasma Pretreatment for Improving Anodic Bonding. 2002 , 149, G8 | 24 |
| 1578 | Altering a polymer surface chemical structure by an ion-assisted reaction. 2002 , 16, 129-142 | 17 |
| 1577 | Morphology and failure in nanocomposites. Part II: surface investigation. 2002 , 16, 1915-1929 | 12 |
| 1576 | Study of the System Wood [Coating Material. Part 2.Wood [Solid Coating Material. 2002 , 56, 547-557 | 12 |
| 1575 | Surface modification of thin polymeric films by air-plasma or UV-irradiation. 2002 , 507-510, 883-888 | 88 |
| 1574 | Release coatings for pressure sensitive adhesives. 2002 , 535-571 | 2 |
| 1573 | Coupling agents: chemical bonding at interfaces. 2002 , 403-431 | 2 |
| 1572 | Role of End-Group Functionality on the Surface Segregation Properties of HBPs in Blends with Polystyrene: Application of HBPs as Dewetting Inhibitors. 2002 , 18, 9985-9989 | 26 |
| 1571 | Fabrication of Three-component Micropatterned Organosilane Monolayer by a Stepwise Photolithography Process. 2002 , 31, 1196-1197 | 15 |
| 1570 | A Novel Method To Examine Surface Composition in Mixtures of Chemically Identical Two Polymers with Different Molecular Weights. 2002 , 35, 4702-4706 | 53 |
| 1569 | The role of surface free energy on the formation of hybrid bilayer membranes. 2002 , 124, 14676-83 | 102 |

| | | |
|------|--|-----|
| 1568 | Development of Environmentally Benign Pressure-Sensitive Adhesive Systems via Modification of Substrate Properties. 2002 , 41, 5668-5675 | 18 |
| 1567 | StickSlip Dynamics of Entangled Polymer Liquids. 2002 , 18, 2616-2624 | 24 |
| 1566 | Polyaromatic Assembly Mechanisms and Structure Selection in Carbon Materials. 2002 , 14, 4558-4565 | 45 |
| 1565 | Surface Modification by Low-Pressure Plasma of Polyamide 12 (PA12). Improvement of the Water Barrier Properties. 2002 , 18, 10411-10420 | 15 |
| 1564 | Effectiveness of Antifouling Coatings and Water Flow in Controlling Attachment of the Nuisance Mussel <i>Limnoperna fortunei</i> . 2002 , 18, 137-148 | 20 |
| 1563 | Wettabilities of Organosiloxane Thin Films Derived from SiCl ₃ -Terminated Carbosilane Dendrons on Mica. 2002 , 18, 10274-10278 | 14 |
| 1562 | Roles of Molecular Architecture and End-Group Functionality on the Surface Properties of Branched Polymers. 2002 , 18, 9990-9995 | 18 |
| 1561 | Comparison of the Lifshitz-van der Waals/acid-Base and contact angle hysteresis approaches for determination of solid surface free energy. 2002 , 16, 1547-1568 | 54 |
| 1560 | Photo-induced liquid crystal alignment on polyimide containing fluorinated groups. 2002 , 29, 243-250 | 16 |
| 1559 | Nanostructured Dendrimer-Based Networks with Hydrophilic Polyamidoamine and Hydrophobic Organosilicon Domains. 2002 , 35, 9323-9333 | 37 |
| 1558 | Effects of surface treatments on the adhesion of Cu and Cr/Cu metallizations to a multifunctional photoresist. 2002 , 92, 3007-3015 | 31 |
| 1557 | Solid Wettability from Surface Energy Components: Relevance to Pickering Emulsions. 2002 , 18, 1270-1273 | 496 |
| 1556 | Adhesion forces between individual gold and polystyrene particles. 2002 , 16, 829-843 | 28 |
| 1555 | Significance of the Acidity of Wood to the Surface Free Energy Components of Different Wood Species. 2002 , 18, 3209-3212 | 25 |
| 1554 | Surface modifications of montmorillonite for tailored interfaces in nanocomposites. 2002 , 78, 645-662 | 76 |
| 1553 | Low Surface Energy Polymeric Films from Solventless Liquid Oligoesters and Partially Fluorinated Isocyanates. 2002 , 35, 6920-6929 | 68 |
| 1552 | Use of the combined Lifshitz-van der Waals and Lewis acid-Base approaches in determining the apolar and polar contributions to surface and interfacial tensions and free energies. 2002 , 16, 669-677 | 120 |
| 1551 | Preparation and Characterization of Core-Shell Particles Containing Perfluoroalkyl Acrylate in the Shell. 2002 , 35, 6811-6818 | 116 |

| | | | |
|------|---|-----|----|
| 1550 | Surface roughness and adhesion. 2002 , 317-349 | | 6 |
| 1549 | Semi-empirical strategies for predicting adhesion. 2002 , 1-73 | | 4 |
| 1548 | Preparation of plastic and biopolymer multilayer films by plasma source ion implantation. 2002 , 50, 4608-14 | | 45 |
| 1547 | Surface Mobility of Polyurethane Networks Containing Fluorinated Amphiphilic Reactive Additives. 2002 , 35, 917-923 | | 33 |
| 1546 | Investigations of the Adhesion of Maleic Anhydride/Cyclic Olefin Alternating Copolymers to Silicon Substrates: Improved Materials for 193 nm Lithography. 2002 , 78, 1-13 | | 6 |
| 1545 | Oberflächenspannung [Messmethoden im Vergleich. 2002 , 42, 106-108 | | 1 |
| 1544 | Letter to the editor: "The effect of acquired salivary pellicle on the surface free energy and wettability of different denture base materials" [C. Sipahi, N. Anil, E Bayramli <i>Journal of Dentistry</i> 29 (2001) 197-204]. 2002 , 30, 383; author reply 384-5 | | |
| 1543 | Studies on the surface properties of silicone-containing hybrid systems. 2002 , 85, 215-220 | | 3 |
| 1542 | Surface characterization of titanium and adsorption of bovine serum albumin. 2002 , 49, 129-137 | | 98 |
| 1541 | Surface modification of polyvinylidene fluoride pervaporation membranes. 2002 , 48, 2833-2843 | | 56 |
| 1540 | Surface Properties of Plastic Materials in Relation to Their Adhering Performance. 2002 , 4, 280-289 | | 43 |
| 1539 | Biodegradable polymers based on renewable resources. VI. Synthesis and biodegradability of poly(ester carbonate)s containing 1,4:3,6-dianhydro-D-glucitol and sebacic acid units. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 872-880 | 2.9 | 24 |
| 1538 | Remote hydrogen plasma chemical vapor deposition of silicon-carbon thin-film materials from a hexamethyldisilane source: Characterization of the process and the deposits. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 1445-1458 | 2.9 | 30 |
| 1537 | Surface characteristics of water-soluble cationic fluoro copolymers containing perfluoroalkyl, quaternized amino, and hydroxyl groups. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 3702-3707 | 2.9 | 7 |
| 1536 | Influence of casting substrate on the surface free energy of various polyesters. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 997-1008 | 2.9 | 16 |
| 1535 | Comparison of surface properties of random, block, and graft copolymers having perfluoroalkyl and silicone-containing side chains. 2002 , 247, 490-3 | | 13 |
| 1534 | Interfacial adhesion and microfailure modes of electrodeposited carbon fiber/epoxy-PEI composites by microdroplet and surface wettability tests. 2002 , 249, 62-77 | | 31 |
| 1533 | Roles of work of adhesion between carbon blacks and thermoplastic polymers on electrical properties of composites. 2002 , 255, 145-9 | | 74 |

| | | |
|------|---|-----|
| 1532 | Characterization of new acrylic bone cements prepared with oleic acid derivatives. 2002 , 63, 88-97 | 30 |
| 1531 | In vitro mineralization of a glass-ceramic of the MgO-3CaO x P2O5-SiO2 system: wettability studies. 2002 , 61, 99-108 | 11 |
| 1530 | Painting of plastics: New challenges and possibilities. 2002 , 85, 79-86 | 4 |
| 1529 | Adhesion of epoxy to hydrotalcite conversion coatings: II. Surface modification with ionic surfactants. 2002 , 210, 83-94 | 36 |
| 1528 | Plasma protein adsorption behavior onto the surface of phase-separated organosilane monolayers on the basis of scanning force microscopy. 2002 , 23, 141-152 | 30 |
| 1527 | Transfer of mixed protein/fatty acid LB films onto Si/SiO2 substrates. Influence of the surface free energy. 2002 , 22, 79-85 | 22 |
| 1526 | Characteristics of plasma surface treated composite adhesive joints at high environmental temperature. 2002 , 57, 37-46 | 48 |
| 1525 | Synthesis of poly{[(2-oxo-1,3-dioxolan-4-yl)-methyl vinyl ether]-co-acrylonitrile} and its miscibility with SAN. 2002 , 51, 1023-1030 | 7 |
| 1524 | Surface physicochemistry of corona-discharge-treated polypropylene film. 2002 , 33, 335-342 | 92 |
| 1523 | Surface physico-chemistry of corona-discharge-treated poly(ethylene terephthalate) film. 2002 , 33, 617-625 | 42 |
| 1522 | Surface modification of fique fibers. Effect on their physico-mechanical properties. 2002 , 23, 383-394 | 57 |
| 1521 | Surface treatment of CFRP composites by Ar+ irradiation to improve bonding strength between aluminum and CFRP composites. 2002 , 23, 1151-1161 | 5 |
| 1520 | Gross melt fracture elimination: The role of surface energy of boron nitride powders. 2002 , 42, 743-752 | 25 |
| 1519 | Evaluation of the surface free energy of spin-coated photodefinable epoxy. 2002 , 40, 2137-2149 | 21 |
| 1518 | Synthesis of aliphatic diamine and polyetherimide with long perfluoroalkyl side chain. 2002 , 117, 27-33 | 3 |
| 1517 | Synthesis and characterization of norbornene-based polymers with 7,7-dimethyloxepan-2-one acid labile groups for chemically amplified photoresists. 2002 , 43, 1963-1967 | 12 |
| 1516 | Functionalizing polymer surfaces by surface migration of copolymer additives: role of additive molecular weight. 2002 , 43, 2721-2728 | 35 |
| 1515 | Preparation and surface properties of fluorine-containing diblock copolymers. 2002 , 43, 4079-4086 | 145 |

| | | | |
|------|--|-----|-----|
| 1514 | Polyethylene greenhouse cover aged under simulated sub-Saharan climatic conditions. 2002 , 75, 247-254 | | 25 |
| 1513 | Wettability of grafted poly(ethylene terephthalate) fibers. 2002 , 21, 615-618 | | 17 |
| 1512 | The influence of solid-liquid interactions on dynamic wetting. 2002 , 96, 21-36 | | 257 |
| 1511 | Thermodynamic characterization of a regenerated activated carbon surface. 2002 , 191, 166-170 | | 5 |
| 1510 | Influence of processing conditions of polymer film on dropwise condensation heat transfer. 2002 , 45, 3405-3411 | | 67 |
| 1509 | Surface modification of membranes for the separation of volatile organic compounds from water by pervaporation. 2002 , 148, 31-37 | | 28 |
| 1508 | The influence of side groups and polarity of polymers on the kind and effectiveness of their surface modification by air plasma action. 2002 , 38, 1915-1919 | | 120 |
| 1507 | Analysis of different approaches for evaluation of surface energy of microbial cells by contact angle goniometry. 2002 , 98, 341-463 | | 243 |
| 1506 | Predicting the shape of organic crystals grown from polar solvents. 2002 , 57, 1805-1813 | | 35 |
| 1505 | An efficient binding chemistry for glass polynucleotide microarrays. 2002 , 13, 97-103 | | 29 |
| 1504 | Plasma protein adsorption to anion substituted poly(vinyl alcohol) membranes. 2003 , 11, 451-457 | | 9 |
| 1503 | Hydrophilic surface formation on polymers by ion-assisted reaction. 2003 , 48, 251-258 | | 13 |
| 1502 | Low surface energy films based on partially fluorinated isocyanates: the effects of curing temperature. 2003 , 48, 316-321 | | 46 |
| 1501 | Expression of adhesion molecules and cytokines in vitro by endothelial cells seeded on various polymer surfaces coated with titaniumcarboxonitride. 2003 , 65, 393-401 | | 45 |
| 1500 | Mechanical and surface properties of polysulfide-based polyurea modified with aminoethylaminopropyl poly(dimethylsiloxane). <i>Journal of Applied Polymer Science</i> , 2003 , 87, 584-588 | 2.9 | 13 |
| 1499 | Development of an additive equation for predicting the electrical conductivity of carbon-filled composites. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 2280-2299 | 2.9 | 86 |
| 1498 | Photoinitiated grafting of glycidyl methacrylate and methacrylic acid on ground tire rubber. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1622-1630 | 2.9 | 34 |
| 1497 | Characterization and physical properties of polymethylphenylsilsesquioxane (PMPSQ) and hydroxyl-functionalized polystyrene (PSOH) hybrids. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 2801-2812 | 2.9 | 5 |

| | | |
|------|--|------|
| 1496 | Mechanisms of surfactant adsorption on non-polar, air-oxidized and ozone-treated carbon surfaces. 2003 , 41, 1489-1500 | 101 |
| 1495 | Studies on the mechanical and mechanical interfacial properties of carbon-carbon composites impregnated with an oxidation inhibitor. 2003 , 41, 2991-3002 | 19 |
| 1494 | Surface energy of aqueous solutions of Hofmeister electrolytes at air/liquid and solid/liquid interface. 2003 , 375, 157-161 | 34 |
| 1493 | Surface energy of ethylene-co-1-butene copolymers determined by contact angle methods. 2003 , 260, 234-9 | 21 |
| 1492 | Validity and accuracy in evaluating surface tension of solids by additive approaches. 2003 , 262, 489-99 | 59 |
| 1491 | Improvement of interfacial adhesion and nondestructive damage evaluation for plasma-treated PBO and Kevlar fibers/epoxy composites using micromechanical techniques and surface wettability. 2003 , 264, 431-45 | 148 |
| 1490 | Wettability of polytetrafluoroethylene by aqueous solutions of two anionic surfactant mixtures. 2003 , 268, 200-7 | 60 |
| 1489 | Emulsions stabilised solely by colloidal particles. 2003 , 100-102, 503-546 | 1734 |
| 1488 | Composite Ag/C:H films prepared by DC planar magnetron deposition. 2003 , 442, 86-92 | 22 |
| 1487 | Surface modification of polymers by ion-assisted reaction. 2003 , 445, 332-341 | 16 |
| 1486 | Synthesis and characterization of a new class of polyfluorinated alkanes: tetrakis(perfluoroalkyl)alkane. 2003 , 121, 57-63 | 33 |
| 1485 | Mineralisation of two phosphate ceramics in HBSS: role of albumin. 2003 , 24, 451-60 | 41 |
| 1484 | Sodium silicate gel as a precursor for the in vitro nucleation and growth of a bone-like apatite coating in compact and porous polymeric structures. 2003 , 24, 2575-84 | 112 |
| 1483 | Characterization of surface oxide films on titanium and adhesion of osteoblast. 2003 , 24, 4663-70 | 285 |
| 1482 | Environmental aging effects on the durability of electrically conductive adhesive joints. 2003 , 23, 235-250 | 60 |
| 1481 | An atomic force microscopy study of ozone etching of a polystyrene/polyisoprene block copolymer. 2003 , 44, 2403-2410 | 19 |
| 1480 | N-1-alkylitaconamic acids-co-styrene copolymers. Surface characterization. 2003 , 44, 3969-3975 | 2 |
| 1479 | Surface chemical and morphological properties of a blend containing semi-crystalline and amorphous polymers studied with ToF-SIMS, XPS and AFM. 2003 , 44, 3883-3890 | 26 |

| | | |
|------|---|-----|
| 1478 | Surface properties of core-shell particles containing perfluoroalkyl acrylate in shell. 2003 , 532-535, 328-333 | 19 |
| 1477 | Effect of molecular structure of self-assembled monolayers on their tribological behaviors in nano- and microscales. 2003 , 255, 819-825 | 74 |
| 1476 | Wettability of PVD compound materials by lubricants. 2003 , 165, 51-57 | 57 |
| 1475 | Air mesh plasma for PCB de-smear process. 2003 , 171, 328-332 | 3 |
| 1474 | Transparent thermoplastic polymers in plasma-assisted coating processes. 2003 , 174-175, 1048-1052 | 32 |
| 1473 | A study on the peel and shear strength of aluminum/CFRP composites surface-treated by plasma and ion assisted reaction method. 2003 , 63, 33-40 | 34 |
| 1472 | Interfacial properties and microfailure degradation mechanisms of bioabsorbable fibers/poly-L-lactide composites using micromechanical test and nondestructive acoustic emission. 2003 , 63, 403-419 | 35 |
| 1471 | Morphological study of fluorinated asymmetric polyetherimide ultrafiltration membranes by surface modifying macromolecules. 2003 , 213, 159-180 | 74 |
| 1470 | Factors affecting the apparent solubility of ursodeoxycholic acid in the grinding process. 2003 , 255, 49-56 | 20 |
| 1469 | Surface characterisation of bags for total parenteral nutrition by tensiometry and atomic force microscopy. 2003 , 265, 27-35 | 2 |
| 1468 | Adhesion of <i>Paenibacillus polymyxa</i> on chalcopyrite and pyrite: surface thermodynamics and extended DLVO theory. 2003 , 29, 21-38 | 168 |
| 1467 | Surface tension properties of surface-coatings for application in biodiagnostics determined by contact angle measurements. 2003 , 30, 177-186 | 62 |
| 1466 | Surfaces engineering of polymeric films for biomedical applications. 2003 , 23, 353-358 | 49 |
| 1465 | Relationship between surface properties (roughness, wettability) of titanium and titanium alloys and cell behaviour. 2003 , 23, 551-560 | 455 |
| 1464 | Contact angle measurement on xerogel sensitive layer for optical fibre sensor. 2003 , 23, 571-577 | 5 |
| 1463 | Effect of silane coupling agent on mechanical interfacial properties of glass fiber-reinforced unsaturated polyester composites. 2003 , 41, 55-62 | 48 |
| 1462 | Surface modification of a liquid-crystalline polymer for copper metallization. 2003 , 41, 623-636 | 33 |
| 1461 | Wettability of poly(styrene-co-acrylate) ionomers improved by oxygen-plasma source ion implantation. 2003 , 41, 1791-1797 | 16 |

| | | |
|------|---|-----|
| 1460 | Surface modification studies of Kapton [®] HN polyimide films. 2003 , 52, 1064-1069 | 46 |
| 1459 | Hydrophobic surface properties of fluoropolyetherimide blends for pervaporation membranes. 2003 , 52, 1795-1798 | 2 |
| 1458 | Synthesis and properties of fluorosilicone with perfluorooctylundecyl side chains. 2003 , 41, 2704-2714 | 20 |
| 1457 | UV curing behaviors and hydrophilic characteristics of UV curable waterborne hyperbranched aliphatic polyesters. 2003 , 14, 609-615 | 25 |
| 1456 | Surface modification and characterization of photodefinable epoxy/copper systems. 2003 , 440, 198-207 | 49 |
| 1455 | Surface energy, surface topography and adhesion. 2003 , 23, 437-448 | 364 |
| 1454 | On the topographic and energetic surface modifications induced by laser treatment of metallic substrates before plasma spraying. 2003 , 205, 3-21 | 26 |
| 1453 | Surface energy for electroluminescent polymers and indium-tin-oxide. 2003 , 207, 183-189 | 25 |
| 1452 | Properties of fluorinated amorphous diamond like carbon films by PECVD. 2003 , 219, 228-237 | 83 |
| 1451 | Crab shell chitin whiskers reinforced natural rubber nanocomposites. 3. Effect of chemical modification of chitin whiskers. 2003 , 4, 1835-42 | 247 |
| 1450 | Surface characterization of nickel alloy plasma-treated by O ₂ /CF ₄ mixture. 2003 , 17, 1979-2004 | 8 |
| 1449 | Investigation of a New Cyclotriphosphazene-Terminated Perfluoropolyether Lubricant. Properties and Interactions with a Carbon Surface. 2003 , 15, 2362-2375 | 25 |
| 1448 | Effects of Surface Defects, Polycrystallinity, and Nanostructure of Self-Assembled Monolayers for Octadecanethiol Adsorbed onto Au on Wetting and Its Surface Energetic Interpretation. 2003 , 19, 9231-9238 | 27 |
| 1447 | Polymer surface modification with monofunctional groups of variable types and densities. 2003 , 17, 1591-161765 | |
| 1446 | Micrometer-Scaled Gradient Surfaces Generated Using Contact Printing of Octadecyltrichlorosilane. 2003 , 19, 7427-7435 | 104 |
| 1445 | Design, synthesis, and properties of new biodegradable aromatic/aliphatic liquid crystalline copolyesters. 2003 , 4, 974-80 | 29 |
| 1444 | Mineralisation of two calcium phosphate ceramics in biological model fluids. 2003 , 13, 1484-1490 | 25 |
| 1443 | Surface-Initiated Vapor Polymerization of Various α -Amino Acids. 2003 , 19, 1295-1303 | 45 |

| | | |
|------|--|----|
| 1442 | Alternative Method for Determining Surface Energy by Utilizing Polymer Thin Film Dewetting. 2003 , 19, 1419-1428 | 26 |
| 1441 | The influence of surface modifications of glass on glass fiber/polyester interphase properties. 2003 , 17, 1299-1320 | 33 |
| 1440 | Contact angle measurements for adhesion energy evaluation of silver and copper films on parylene-n and SiO ₂ substrates. 2003 , 93, 919-923 | 45 |
| 1439 | Chemical Engineering of Gallium Arsenide Surfaces with 4-Methyl-4-mercaptobiphenyl and 4-Hydroxy-4-mercaptobiphenyl Monolayers. 2003 , 107, 11737-11741 | 27 |
| 1438 | Influence of the Cu substrate surface energy on lead-free solder paste wetting properties. 2003 , | 1 |
| 1437 | Lubricative coatings of copper oxide for aerospace applications. 2003 , 94, 2110-2114 | 12 |
| 1436 | Surface treatment of polycarbonate films aimed at biomedical application. 2003 , 14, 1135-53 | 18 |
| 1435 | The effects of NaOH and corona treatments on triacetyl cellulose and liquid crystal films used in LCD devices. 2003 , 17, 453-469 | 7 |
| 1434 | On the work of adhesion and peel strength between pressure sensitive adhesives and the polymeric films used in LCD devices. 2003 , 17, 903-915 | 7 |
| 1433 | An approach to durable poly(vinylidene fluoride) thin film loudspeaker. 2003 , 18, 2904-2911 | 23 |
| 1432 | Polymer inking as a micro- and nanopatterning technique. 2003 , 21, 2749 | 21 |
| 1431 | Initial Oxidation of H-Terminated Si(100) in O ₃ (950 ppm)/O ₂ and Pure O ₂ . 2003 , 150, G694 | 23 |
| 1430 | Surface and adhesion changes of atmospheric barrier discharge-treated polypropylene in air and nitrogen. 2003 , 17, 2097-2110 | 12 |
| 1429 | Deposition of indium tin oxide films on polycarbonate substrates by using ion beam processes. 2003 , 21, 2060 | 6 |
| 1428 | Effects of surface treatment on the adhesion of copper to a hybrid polymer material. 2003 , 18, 2697-2707 | 24 |
| 1427 | Interfacial phenomena in nanocomposites based on polysaccharide nanocrystals. 2003 , 10, 369-387 | 54 |
| 1426 | Ultraviolet surface treatment for adhesion strength improvement of carbon/epoxy composite. 2003 , 17, 1523-1542 | 5 |
| 1425 | WETTABILITY OF MONTMORILLONITE CLAYS IN HUMIC ACID SOLUTIONS. 2003 , 51, 65-74 | 12 |

| | | |
|------|---|----|
| 1424 | Fabrication and characterization of multi-component organosilane nanofilms. 2003 , 10, 489-504 | 17 |
| 1423 | Effect of Polymer Substrates on Nano Scale Hot Embossing. 2003 , 782, 1 | |
| 1422 | Adhesion force and Nanotribological Characteristics of Chemical Vapor Deposited Fluorocarbon Films. 2003 , 782, 1 | 1 |
| 1421 | Painting Problems. 2003 , | 6 |
| 1420 | Liquid Crystalline Polymers, Main-Chain. 2003 , | |
| 1419 | Preparation of Multi-hollow Polymer Particles. 2003 , 39, 302-307 | |
| 1418 | Surface composition analysis of PP films treated by corona discharge. 2003 , 6, 163-166 | 49 |
| 1417 | Water Potential and Aggregate Size Effects on Contact Angle and Surface Energy. 2004 , 68, 383-393 | 91 |
| 1416 | Vertically Aligned Nematic Liquid Crystal on Anodic Porous Alumina. 2004 , 43, L1004-L1006 | 33 |
| 1415 | Dissolution behavior of main-chain-fluorinated polymers for 157 nm lithography. 2004 , 22, 3509 | 1 |
| 1414 | Microstructure and adhesion of Au deposited on parylene-c substrate with surface modification for potential immunoassay application. 2004 , 32, 505-509 | 14 |
| 1413 | The Effect of Additives in Post-Cu CMP Cleaning on Particle Adhesion and Removal. 2004 , 151, G756 | 49 |
| 1412 | Structure and properties of the glandular surface in the digestive zone of the pitcher in the carnivorous plant <i>Nepenthes ventrata</i> and its role in insect trapping and retention. 2004 , 207, 2947-63 | 69 |
| 1411 | Improvement of the adhesion of new memory packages by surface engineering. | 2 |
| 1410 | Photoalignment of Ferroelectric Liquid Crystals by Azodye Layers. 2004 , 43, 5440-5446 | 40 |
| 1409 | A new understanding on the mechanism of fountain solution in the prevention of ink transfer to the non-image area in conventional offset lithography. 2004 , 18, 1861-1887 | 8 |
| 1408 | The influence of substrate absorbency on coating surface energy. 2004 , 49, 62-68 | 14 |
| 1407 | Atmospheric RF plasma effects on the film adhesion property. 2004 , 447-448, 354-358 | 31 |

| | | |
|------|---|-----|
| 1406 | A protocol for determining the surface free energy of dental materials. 2004 , 20, 262-8 | 87 |
| 1405 | Characterization of hydrogenated diamond-like carbon films electrochemically deposited on a silicon substrate. 2004 , 37, 2416-2424 | 66 |
| 1404 | Organic solvent absorption characteristics of split-type microfiber fabrics. 2004 , 5, 280-288 | 2 |
| 1403 | Improving wet adhesion of water-borne acrylic dispersion on wood by bond activation. 2004 , 87, 175-179 | 2 |
| 1402 | Plasma jet treatment of five polymers at atmospheric pressure: surface modifications and the relevance for adhesion. 2004 , 24, 171-177 | 362 |
| 1401 | Modification of cellulose fibres with organosilanes: Under what conditions does coupling occur?. 2004 , 273, 505-11 | 125 |
| 1400 | Contact angle measurements with liquids consisting of bulky molecules. 2004 , 279, 493-502 | 67 |
| 1399 | Effect of temperature on the surface free energy of amorphous carbon films. 2004 , 280, 174-83 | 106 |
| 1398 | The interactions between Z-Tetraol perfluoropolyether lubricant and amorphous nitrogenated- and hydrogenated-carbon surfaces and silicon nitride. 2004 , 125, 391-400 | 18 |
| 1397 | Characterization of indium-tin-oxide films treated by different procedures: effect of treatment time in aqua regia solution. 2004 , 24, 595-599 | 8 |
| 1396 | Transparent flexible plastic substrates for organic light-emitting devices. 2004 , 33, 312-320 | 32 |
| 1395 | Material transfer of POM in sliding contact. 2004 , 256, 294-301 | 54 |
| 1394 | Modification of cellulosic fibres with functionalised silanes: development of surface properties. 2004 , 24, 43-54 | 286 |
| 1393 | A comparative study on the influence of epoxy sizings on the mechanical performance of woven carbon fiber-epoxy composites. 2004 , 25, 319-330 | 37 |
| 1392 | The effect of surface energy of boron nitride on polymer processability. 2004 , 44, 1543-1550 | 45 |
| 1391 | Modification of the air/water interface by a chitosan adsorption process. Effect on an amphiphilic polymer monolayer. 2004 , 53, 1652-1657 | 8 |
| 1390 | Influence of interfaces on the rates of crosslinking in poly(dimethyl siloxane) coatings. 2004 , 42, 1421-1431 | 41 |
| 1389 | Macromolecular surfactants for supercritical carbon dioxide applications: Synthesis and characterization of fluorinated block copolymers prepared by nitroxide-mediated radical polymerization. 2004 , 42, 3537-3552 | 81 |

| | | | |
|------|--|-----|-----|
| 1388 | Direct fluorination of the polyimide matrimid [®] 5218: The formation kinetics and physicochemical properties of the fluorinated layers. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 6-17 | 2.9 | 33 |
| 1387 | Vacuum ultraviolet-induced photochemical nitriding of polyolefin surfaces. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 3886-3898 | 2.9 | 53 |
| 1386 | Hydrophobic properties of ethylene-vinyl alcohol copolymer treated with plasma source ion implantation. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2069-2075 | 2.9 | 11 |
| 1385 | Surface modification of poly(propylene) by photoinitiators: Improvement of adhesion and wettability. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2341-2350 | 2.9 | 33 |
| 1384 | Modification of adhesive properties of a polyethylene film by photografting. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2803-2811 | 2.9 | 27 |
| 1383 | Pervaporation and vacuum membrane distillation processes: Modeling and experiments. 2004 , 50, 1697-1712 | | 125 |
| 1382 | Characterisation of Fuel Cell Membranes as a Function of Drying by Means of Contact Angle Measurements. 2004 , 4, 141-146 | | 21 |
| 1381 | Novel Brush Copolymers via Controlled Radical Polymerization. 2004 , 205, 2161-2168 | | 61 |
| 1380 | Search for technological reasons to develop a capsule or a tablet formulation with respect to wettability and dissolution. 2004 , 287, 135-45 | | 16 |
| 1379 | Microwave irradiation of polypropylene surface: a study on wettability and adhesion. 2004 , 24, 163-170 | | 65 |
| 1378 | Effect of the fluorinated groups on nematic liquid crystal alignment on monomer crosslinked film. 2004 , 466, 326-330 | | 8 |
| 1377 | Effect of filler size and surface condition of nano-sized silica particles in polysiloxane coatings. 2004 , 466, 114-122 | | 101 |
| 1376 | Surface characterization of poly(4-vinylpyridine) quaternized with tetradecyl bromide: effect of the degree of quaternization. 2004 , 271, 181-6 | | 3 |
| 1375 | Modified stainless steel surfaces targeted to reduce fouling—surface characterization. 2004 , 64, 63-79 | | 104 |
| 1374 | Local thermodynamic derivation of Young's equation. 2004 , 272, 420-9 | | 66 |
| 1373 | Investigation of surface properties of amino acids: polarity scale for amino acids as a means to predict surface exposed residues in films of proteins. 2004 , 277, 79-83 | | 17 |
| 1372 | Preparation and application of dense poly(phenylene oxide) membranes in pervaporation. 2004 , 278, 410-22 | | 65 |
| 1371 | Surface properties and structures of diblock and random copolymers with perfluoroalkyl side chains. 2004 , 279, 364-9 | | 51 |

| | | |
|------|---|----|
| 1370 | Synthesis and surface mobility of segmented polyurethanes with fluorinated side chains attached to hard blocks. 2004 , 45, 1495-1502 | 84 |
| 1369 | Synthesis and lithographic evaluation of poly[(methacrylic acid tert-butyl cholate ester)-co-(ϵ -butyrolactone-2-yl methacrylate)]. 2004 , 45, 5397-5401 | 7 |
| 1368 | Surface activity of hydrophobically modified alternating copolymers. 2004 , 45, 5145-5150 | 3 |
| 1367 | Surface composition and property of film prepared with aqueous dispersion of polyurethaneurea-acrylate including fluorinated block copolymer. 2004 , 40, 2195-2201 | 41 |
| 1366 | Extension of continuum mechanics to the nanoscale. 2004 , 59, 4621-4635 | 20 |
| 1365 | Polymer surface micropatterning by plasma and VUV-photochemical modification for controlled cell culture. 2004 , 235, 395-405 | 73 |
| 1364 | Surface charge properties of oxides and hydroxides formed on metal substrates determined by contact angle titration. 2004 , 240, 211-223 | 13 |
| 1363 | Evaluation of lysozyme adsorptive behaviour of pHEMA-based affinity membranes related to the surface energy and its components to be used in chromatographic fields. 2004 , 243, 11-21 | 26 |
| 1362 | Surface coatings of PEO- β -PBO-PEO block copolymers on native and polystyrene-coated silicon wafers. 2004 , 246, 81-89 | 20 |
| 1361 | Nondestructive evaluation of interfacial damage properties for plasma-treated biodegradable poly(p-dioxanone) fiber/poly(l-lactide) composites by micromechanical test and surface wettability. 2004 , 64, 847-860 | 30 |
| 1360 | Surface free energy of natural and surface-modified tropical and European wood species. 2004 , 18, 687-713 | 42 |
| 1359 | Influence of surface chemistry on the hygienic status of industrial stainless steel. 2004 , 20, 25-33 | 19 |
| 1358 | DETERMINATION OF SOLID SURFACE TENSION FROM CONTACT ANGLES: THE ROLE OF SHAPE AND SIZE OF LIQUID MOLECULES. 2004 , 80, 705-725 | 20 |
| 1357 | Mesomorphous structure and properties of non-equimolar complexes of poly(ethylenimine) and perfluorooctanoic acid. 2004 , 20, 10737-43 | 22 |
| 1356 | Intermolecular Interactions between a Monomolecular Hydroxyl-Terminated Perfluoropolyether Film and the Sputtered SiNx Surface. 2004 , 16, 4878-4889 | 2 |
| 1355 | Duo-mold imprinting of three-dimensional polymeric structures. 2004 , 22, 3251 | 29 |
| 1354 | Can contact-angle measurements determine the disjoining pressure in liquid nanofilms on rigid substrates?. 2004 , 20, 10073-9 | 7 |
| 1353 | The outermost atomic layer of thin films of fluorinated polymethacrylates. 2004 , 20, 6344-51 | 58 |

| | | |
|------|---|-----|
| 1352 | Autophobic dewetting of Z-tetraol perfluoropolyether lubricant films on the amorphous nitrogenated carbon surface. 2004 , 20, 3166-72 | 26 |
| 1351 | Interfacial Properties of Poly(Caprolactone) and Derivatives. 2004 , 41, 577-583 | 7 |
| 1350 | Adhesion and wetting in an aqueous environment: theoretical assessment of sensitivity to the solid surface energy. 2004 , 20, 1317-20 | 22 |
| 1349 | Chemical and thermal stability of alkanethiol and sulfur passivated InP(100). 2004 , 20, 743-7 | 39 |
| 1348 | Role of Paper Face Stock Properties in Determining Removal Efficiencies of Pressure-Sensitive Adhesive Films from Recycling Operations. 2004 , 43, 1443-1450 | 8 |
| 1347 | Interactions between an Alkylamine-Terminated Perfluoropolyether and the Amorphous Hydrogenated Carbon Surface. 2004 , 16, 62-71 | 3 |
| 1346 | Influence of Repellent Finishing on the Surface Free Energy of Cellulosic Textile Substrates. 2004 , 74, 426-432 | 28 |
| 1345 | Acoustical methods for the investigation of adhesively bonded structures: A review. 2004 , 82, 981-1025 | 58 |
| 1344 | Using the adhesive interaction between atomic force microscopy tips and polymer surfaces to measure the elastic modulus of compliant samples. 2004 , 20, 5837-45 | 153 |
| 1343 | Formation of hydrophobic coating on glass surface using atmospheric pressure non-thermal plasma in ambient air. 2004 , 37, 2261-2266 | 42 |
| 1342 | Static and dynamic wetting measurements of single carbon nanotubes. 2004 , 92, 186103 | 224 |
| 1341 | Determining the Surface Free Energy of Cellulose Materials with the Powder Contact Angle Method. 2004 , 74, 55-62 | 44 |
| 1340 | INFLUENCE OF COMPATIBILIZATION TREATMENTS ON THE MECHANICAL PROPERTIES OF FIQUE FIBER REINFORCED POLYPROPYLENE COMPOSITES. 2004 , 53, 997-1013 | 11 |
| 1339 | Photochemical Modification of Cross-Linked Poly(dimethylsiloxane) by Irradiation at 172 nm. 2004 , 37, 5936-5943 | 127 |
| 1338 | Human serum albumin adsorption on TiO ₂ from single protein solutions and from plasma. 2004 , 20, 9745-54 | 116 |
| 1337 | P-84: Manufacturing Films of Strengthened Cyclosiloxanes for LC Alignment. 2004 , 35, 566 | |
| 1336 | Adhesion Enhancement of Norbornene Polymers with Lithocholate Substituents for 193-nm Resists. 2004 , 36, 18-22 | 5 |
| 1335 | Study of DC point-to-plane glow discharge in O ₂ and Ar in relation to atatic polystyrene (aPS) wettability. 2005 , 32, 53-59 | 1 |

- 1334 Different Performance of Ar, O₂ and CO₂ RF Plasmas in the Adhesion of Thermoplastic Rubber to Polyurethane Adhesive. **2005**, 177-192 7
- 1333 Polycrystallization of a Hole Transport Material on Indium-Tin-Oxide Substrates. **2005**, 18, 59-63 6
- 1332 Imaging of Charged Micropatterned Monolayer Surfaces by Chemical Force Microscopy. **2005**, 78, 1691-1698 7
- 1331 Cleanability of Plastic Flooring Materials Related to their Surface Properties. **2005**, 42, 148-153 7
- 1330 Surface free energies of electroless NiP based composite coatings. **2005**, 240, 441-451 27
- 1329 An approach to durable PVDF cantilevers with highly conducting PEDOT/PSS (DMSO) electrodes. **2005**, 121, 373-381 25
- 1328 Regioselective ring opening of [(perfluoroalkyl)methyl] oxiranes with N-nucleophiles. **2005**, 126, 1274-1280 12
- 1327 A stationary plasma thruster for modification of polymer and ceramic surfaces. **2005**, 239, 440-450 10
- 1326 Surface properties and structures of diblock copolymer and homopolymer with perfluoroalkyl side chains. **2005**, 283, 533-8 68
- 1325 Effect of UV-irradiation on poly(vinyl chloride) modified by methyl methacrylate-butadiene-styrene copolymer. **2005**, 87, 527-533 27
- 1324 Migration of additives in polymer coatings: fluorinated additives and poly(vinylidene chloride)-based matrix. **2005**, 46, 3579-3587 28
- 1323 Thermally cured low surface-tension epoxy films. **2005**, 46, 10531-10537 49
- 1322 Studies of polyethylene multi layer films used as greenhouse covers under Saharan climatic conditions. **2005**, 24, 834-838 19
- 1321 Surface modification of EVA copolymer by UV treatment. **2005**, 25, 139-145 31
- 1320 Surface characterization and adhesion of carbon fibers to epoxy and polycarbonate. **2005**, 25, 389-394 33
- 1319 Microwave processing of natural biopolymers--studies on the properties of different starches. **2005**, 302, 166-71 35
- 1318 Hydrophobic recovery of VUV/NH₃ modified polyolefin surfaces: Comparison with plasma treatments in nitrogen. **2005**, 236, 117-122 35
- 1317 Boundary lubrication additives for aluminium: A journey from nano to macrotribology. **2005**, 38, 1022-1034 26

| | | |
|------|--|-----|
| 1316 | Chemical structure and morphology of thin bilayer and composite organosilicon and fluorocarbon microwave plasma polymer films. 2005 , 192, 189-198 | 31 |
| 1315 | Surface characteristics of AISI 304L stainless steel after an atmospheric pressure plasma treatment. 2005 , 195, 298-306 | 60 |
| 1314 | Dependence of surface tension and deposition rate of fluorocarbon polymer films on plasma parameters in a dielectric barrier discharge (DBD). 2005 , 200, 695-699 | 25 |
| 1313 | Mobile plasma activation of polymers using the plasma gun. 2005 , 200, 544-547 | 10 |
| 1312 | Ultrathin carbon-fluorine film processing. 2005 , 200, 453-457 | 14 |
| 1311 | New biodegradable material based on RF plasma modified starch. 2005 , 200, 539-543 | 17 |
| 1310 | An investigation of the surface energy and optical transmittance of copper oxide thin films prepared by reactive magnetron sputtering. 2005 , 53, 5151-5159 | 60 |
| 1309 | Direct measurement of multiwall nanotube surface tension. 2005 , 404, 263-266 | 272 |
| 1308 | Short-time plasma surface modification of HDPE powder in a Plasma Downer Reactor process, wettability improvement and ageing effects. 2005 , 252, 1581-1595 | 85 |
| 1307 | Self-curing controlled release systems for steroids. Application of prednisolone-based polymeric systems to ear diseases. 2005 , 26, 3311-8 | 10 |
| 1306 | Comparative study on the properties of acrylic bone cements prepared with either aliphatic or aromatic functionalized methacrylates. 2005 , 26, 4063-72 | 22 |
| 1305 | Fluor-Kohlenstoff-Nanoschichten zur gezielten Oberflächenfunktionalisierung. Fluorine-Carbon Nano Coatings for Specific Surface Functionalization. 2005 , 17, 329-335 | 3 |
| 1304 | Determination of contact angles on microporous particles using the thin-layer wicking technique. 2005 , 21, 8319-25 | 26 |
| 1303 | Macroscopic-wetting anisotropy on the line-patterned surface of fluoroalkylsilane monolayers. 2005 , 21, 911-8 | 217 |
| 1302 | Surface chemical modification of thermoplastic starch: reactions with isocyanates, epoxy functions and stearyl chloride. 2005 , 21, 331-336 | 50 |
| 1301 | Quantitative assessment of hydrophobic agglomeration performance. 2005 , 18, 567-573 | 7 |
| 1300 | Modulation of gene expression in neonatal rat cardiomyocytes by surface modification of polylactide-co-glycolide substrates. 2005 , 74, 419-29 | 18 |
| 1299 | The phase state of NiTi implant material affects osteoclastic attachment. 2005 , 75, 681-8 | 7 |

| | | | |
|------|--|-----|----|
| 1298 | Improvement of the water selectivity of ULTEM poly(ether imide) pervaporation films by an allylamine-plasma-polymerized layer. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 2088-2096 | 2.9 | 26 |
| 1297 | Effect of fluorinated acrylate on the surface properties of cationic fluorinated polyurethane-acrylate hybrid dispersions. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 2192-2196 | 2.9 | 24 |
| 1296 | Solid-state compaction and drawing of nascent reactor powders of ultra-high-molecular-weight polyethylene. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 718-730 | 2.9 | 21 |
| 1295 | Study on morphology development for in situ fiber-reinforced composites by blending polyolefin and polycaprolactone. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 500-508 | 2.9 | 6 |
| 1294 | Terpolymer films having semipolar structure: Preparation, wettability, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1235-1243 | 2.9 | 1 |
| 1293 | Synthesis and characterization of polyurethane anionomers. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 2144-2148 | 2.9 | 14 |
| 1292 | Evaluation of oligo(ethylene glycol) dimethacrylates effects on the properties of new biodegradable bone cement compositions. 2005 , 5, 64-9 | | 22 |
| 1291 | Low Surface Energy Perfluorooctylalkyl Acrylate Copolymers for Surface Modification of PET. 2005 , 206, 1098-1105 | | 43 |
| 1290 | UV Assisted Surface Modification of Polystyrene in the Presence of Trialkylsilanes. 2005 , 206, 2248-2256 | | 10 |
| 1289 | A Downer Reactor for Short-time Plasma Surface Modification of Polymer Powders. 2005 , 28, 87-94 | | 43 |
| 1288 | New Pathways for Modifying the Surface of High Density Polyethylene: Chemically Benign Adhesion Promotion and Subsequent Reactivity. 2005 , 53, 401-412 | | 3 |
| 1287 | Synthesis and characterization of fluorinated copolyetherimides with CH ₂ C ₆ F ₁₃ side chains based on the ULTEM structure. 2005 , 126, 1476-1486 | | 2 |
| 1286 | Radiation grafted poly(ethylene terephthalate)-graft-polystyrene pervaporation membranes for organic/organic separation. 2005 , 263, 77-95 | | 41 |
| 1285 | Protein adsorption on 18-alkyl chains immobilized on hydroxyl-terminated self-assembled monolayers. 2005 , 26, 3891-99 | | 36 |
| 1284 | Effects of electron-beam irradiation on wettability and surface free energy of a polypropylene film. 2005 , 25, 61-66 | | 13 |
| 1283 | Effect of atmospheric-pressure plasma on adhesion characteristics of polyimide film. 2005 , 285, 267-72 | | 63 |
| 1282 | Influence of surface characteristics of carbon blacks on cure and mechanical behaviors of rubber matrix compoundings. 2005 , 291, 229-35 | | 56 |
| 1281 | Interpretation of contact angle measurements on two different fluoropolymers for the determination of solid surface tension. 2005 , 291, 497-506 | | 60 |

| | | |
|------|--|----|
| 1280 | About morphology in ethylene-propylene(-diene) copolymers-based latexes. 2005 , 46, 7094-7108 | 21 |
| 1279 | Thermal decomposition of alkyl ammonium ions and its effects on surface polarity of organically treated nanoclay. 2005 , 46, 10139-10147 | 80 |
| 1278 | Resistivity control in the semiconductive region for carbon-black-filled polymer composites. 2005 , 283, 367-374 | 8 |
| 1277 | Relationship between electrical resistivity and particle dispersion state for carbon black filled poly (ethylene-co-vinyl acetate)/poly (L-lactic acid) blend. 2005 , 284, 134-141 | 47 |
| 1276 | Surface rearrangement of tailored polyurethane-based coatings. 2005 , 2, 435-443 | 3 |
| 1275 | Novel, water-based fluorinated polymers with excellent antigraffiti properties. 2005 , 2, 617-625 | 22 |
| 1274 | An extended Derjaguin-Landau-Verwey-Overbeek theory approach to determining the surface energy of copper oxide thin films prepared by reactive magnetron sputtering. 2005 , 36, 2435-2439 | 6 |
| 1273 | On the stiction of MEMS materials. 2005 , 19, 111-117 | 50 |
| 1272 | The Adhesion of Monomolecular Hydroxyl-terminated Perfluoropolyether Liquid Films on the Sputtered Silicon Nitride Surface as a Function of End Group Acidity and Mobility. 2005 , 20, 69-81 | 13 |
| 1271 | Frictional Responses of Octadecyltrichlorosilane (OTS) and 1H, 1H, 2H, 2H-Perfluorooctyltrichlorosilane (FOTS) Monolayers Self-assembled on Aluminium over Six Orders of Contact Length Scale. 2005 , 20, 235-246 | 25 |
| 1270 | Perfluoropolyether-Silica Hybrids: Preparation and Surface Characterization. 2005 , 34, 155-163 | 7 |
| 1269 | Peeling of polydimethylsiloxane adhesives at low velocities: Cohesive failure. 2005 , 43, 145-157 | 15 |
| 1268 | Modification of surface properties of polyethylene by perfluoropolyether blending. 2005 , 43, 2252-2258 | 13 |
| 1267 | A study on correlation between physical properties and interfacial characteristics in highly loaded graphite-polymer composites. 2005 , 43, 2568-2577 | 22 |
| 1266 | Improvement of the Polyimide Surface Wettability Using SiO _x Films Deposited in a DECR Reactor from HMDSO/O ₂ Mixtures. 2005 , 2, 586-594 | 11 |
| 1265 | Electrochemical stabilization of crystalline silicon with aromatic self-assembled monolayers in aqueous electrolytes. 2005 , 242, 2838-2845 | 5 |
| 1264 | Investigation of fluorinated polyacrylate latex with core-shell structure. 2005 , 54, 1027-1033 | 55 |
| 1263 | Fluorinated comblike homopolymers: The effect of spacer lengths on surface properties. 2005 , 43, 3737-3747 | 42 |

| | | |
|------|---|-----|
| 1262 | Response of osteoblastic cells to titanium submitted to three different surface treatments. 2005 , 19, 203-8 | 17 |
| 1261 | Surface Energies Acting at the Interfaces of Ceramics and Glasses while in Contact with Organic and Biological Liquids. 2005 , 284-286, 1023-1026 | 2 |
| 1260 | Coalescence of droplets on chemical boundaries. 2005 , 72, 597-603 | 5 |
| 1259 | Ion-Beam Induced Liquid Crystal Alignment on Diamond-like Carbon and Fluorinated Diamond-like Carbon Thin Films. 2005 , 44, 4092-4097 | 49 |
| 1258 | Solvent-assisted polymer-bonding lithography. 2005 , 23, 236 | 2 |
| 1257 | Protein adsorption to surfaces and interfaces. 2005 , 763-781 | 2 |
| 1256 | Molecular damping: Mechanical response of self-assembled monomolecular layer to compression. 2005 , 72, | 12 |
| 1255 | Effects of substrate treatment on the initial growth mode of indium-tin-oxide films. 2005 , 97, 024910 | 22 |
| 1254 | The effect of surface properties on the adhesion of modified polychloroprene used as adhesive. 2005 , 19, 627-638 | 12 |
| 1253 | Ellipsometric study of adsorption on nanopatterned block copolymer substrates. 2005 , 122, 104902 | 3 |
| 1252 | The Preparation and Surface Properties of Silicone-grafted Acrylic Copolymer Coatings. 2005 , 17, 85-102 | 6 |
| 1251 | Influence of Surface Properties and Characteristics on Fouling in Plate Heat Exchangers. 2005 , 26, 3-17 | 69 |
| 1250 | The Structural Effects on the Pretilt Angle of Alignment Materials with Alkylcyclohexylbenzene as a Side Chain in Polyimides. 2005 , 439, 161/[2027]-172/[2038] | 20 |
| 1249 | Stress induced phase transition in monomolecular perfluoroalkylsilane film self assembled on aluminium surface. 2005 , 890, 1 | |
| 1248 | Perfluoropolyether-based organic-inorganic hybrid coatings: Preparation and surface characterisation. 2005 , 88, 243-249 | 4 |
| 1247 | Effects of ion bombardment with reactive gas environment on adhesion of Au films to Parylene C film. 2005 , 476, 386-390 | 15 |
| 1246 | Osteoblast adhesion on poly(L-lactic acid)/polystyrene demixed thin film blends: effect of nanotopography, surface chemistry, and wettability. 2005 , 6, 3319-27 | 120 |
| 1245 | Water-repellency and surface free energy of a-C:H films prepared by heat-treatment of polymer precursor. 2005 , 14, 1342-1347 | 35 |

| | | |
|------|--|-----|
| 1244 | Plasma treatment and its prospective application to polymer light-emitting diodes fabricated by ink-jet printing method. 2005 , 23, 1367-1370 | 5 |
| 1243 | Low Surface Energy Characteristics of Mesophase-Forming ABC and ACB Triblock Copolymers with Fluorinated B Blocks. 2005 , 441, 211-226 | 20 |
| 1242 | Contact Angles and Coating Film Thickness. 2005 , 81, 29-39 | 34 |
| 1241 | Chemical force microscopy study of adhesive properties of polypropylene films: influence of surface polarity and medium. 2005 , 21, 5429-38 | 28 |
| 1240 | Dependence of the molecular aggregation state of octadecylsiloxane monolayers on preparation methods. 2005 , 21, 905-10 | 62 |
| 1239 | Effects of chain length and heat treatment on the nanotribology of alkylsilane monolayers self-assembled on a rough aluminum surface. 2005 , 109, 23405-14 | 35 |
| 1238 | Poly(carbonate β cetal)s from the Dimer Form of Dihydroxyacetone. 2005 , 38, 5532-5537 | 27 |
| 1237 | Wetting-dewetting transition line in thin polymer films. 2005 , 21, 9518-23 | 58 |
| 1236 | Effects of film-forming conditions on surface properties and structures of diblock copolymer with perfluoroalkyl side chains. 2005 , 21, 2614-8 | 70 |
| 1235 | Precision Synthesis of a Fluorinated Polyhedral Oligomeric Silsesquioxane-Terminated Polymer and Surface Characterization of Its Blend Film with Poly(methyl methacrylate). 2005 , 38, 1264-1270 | 124 |
| 1234 | Surface energy components of a dye-ligand immobilized pHEMA membranes: effects of their molecular attracting forces for non-covalent interactions with IgG and HSA in aqueous media. 2005 , 37, 249-56 | 19 |
| 1233 | Morphology-driven surface segregation in a blend of poly(epsilon-caprolactone) and poly(vinyl chloride). 2005 , 21, 7968-70 | 24 |
| 1232 | Introduction. 2005 , 13, 373 | 4 |
| 1231 | Molecular Aggregation Structure and Surface Properties of Poly(fluoroalkyl acrylate) Thin Films. 2005 , 38, 5699-5705 | 262 |
| 1230 | Wettability and thermal stability of fluorocarbon films deposited by deep reactive ion etching. 2005 , 23, 434-439 | 20 |
| 1229 | The antifouling and fouling-release performance of hyperbranched fluoropolymer (HBFP)-poly(ethylene glycol) (PEG) composite coatings evaluated by adsorption of biomacromolecules and the green fouling alga <i>Ulva</i> . 2005 , 21, 3044-53 | 412 |
| 1228 | Surface chemical modification of waxy maize starch nanocrystals. 2005 , 21, 2425-33 | 154 |
| 1227 | Chemical Composition of Polymer Surfaces Imaged by Atomic Force Microscopy and Complementary Approaches. 2005 , 55-129 | 37 |

| | | |
|------|--|-----|
| 1226 | Hydrophobicity and Sliding Behavior of Liquid Droplets on the Fluorinated Latex Films. 2005 , 38, 736-744 | 109 |
| 1225 | Structural and water-repellent properties of a urea/poly(dimethylsiloxane) sol-gel hybrid and its bonding to cotton fabric. 2006 , 22, 6489-97 | 84 |
| 1224 | Measurement of wetting properties of individual boron nitride nanotubes with the wilhelmy method using a nanotube-based force sensor. 2006 , 6, 329-33 | 73 |
| 1223 | A functionalizable biomaterial based on dihydroxyacetone, an intermediate of glucose metabolism. 2006 , 7, 3239-44 | 40 |
| 1222 | Type of precursor and synthesis of silicon oxycarbide (SiO _x C _y H) thin films with a surfatron microwave oxygen/argon plasma. 2006 , 24, 988-994 | 12 |
| 1221 | . 2006 , 34, 1241-1246 | 26 |
| 1220 | Soft contact: measurement and interpretation of contact angles. 2006 , 2, 12-17 | 385 |
| 1219 | Zeta Potential of Photochemically Modified Polymer Surfaces. 54-61 | 22 |
| 1218 | Photoresist and Etch Residue Removal. 2006 , 153, G712 | 10 |
| 1217 | Antibacterial activity of fluorine incorporated DLC films. 2006 , 15, 1011-1014 | 69 |
| 1216 | Anisotropic surface energetics and wettability of macroscopic form I paracetamol crystals. 2006 , 22, 2760-9 | 81 |
| 1215 | Introduction. 2006 , 14, 633 | 8 |
| 1214 | High Performance Molecular Resists Based on β -Cyclodextrin. 2006 , 38, 996-998 | 7 |
| 1213 | Sliding behavior of water droplets on flat polymer surface. 2006 , 128, 743-7 | 56 |
| 1212 | Effect of plasma treated ITO substrate on inkjet printing of conductive ink. 2006 , | |
| 1211 | Stick-slip of the three-phase line in measurements of dynamic contact angles. 2006 , 22, 628-36 | 61 |
| 1210 | Surface modification of EPDM rubber by plasma treatment. 2006 , 22, 6109-24 | 47 |
| 1209 | Stable superhydrophobic and lipophobic conjugated polymers films. 2006 , 22, 3081-8 | 59 |

| | | |
|------|---|-----|
| 1208 | Importance of surface tension characterization for food, pharmaceutical and packaging products: a review. 2006 , 46, 391-407 | 96 |
| 1207 | Grafting and patterned grafting of block copolymer nanotubes onto inorganic substrates. 2006 , 128, 15921-7 | 11 |
| 1206 | Direct visualization of dewetting of molecularly thin liquid films on solid surfaces. 2006 , 22, 6951-5 | 14 |
| 1205 | Wettability of paracetamol polymorphic forms I and II. 2006 , 22, 6905-9 | 39 |
| 1204 | Effects of Fluorine-Containing Graft and Block Copolymer Additives on Removal Characteristics of Dilute Benzene in Water by Microphase-Separated Membranes Modified with These Additives. 2006 , 39, 1890-1897 | 27 |
| 1203 | Investigation into pH-responsive self-assembled monolayers of acylated anthranilate-terminated alkanethiol on a gold surface. 2006 , 22, 3715-20 | 23 |
| 1202 | Engineering the electrocapillary behavior of electrolyte droplets on thin fluoropolymer films. 2006 , 22, 5690-6 | 49 |
| 1201 | Influence of chemical treatments on surface properties and adhesion of flax fibre/polyester resin. 2006 , 37, 1626-1637 | 172 |
| 1200 | Characterisation of glass fibres used in automotive industry for SMC body panels. 2006 , 37, 1536-1544 | 15 |
| 1199 | Surface modification of polycarbonate (bisphenol A) by low pressure rf plasma. 2006 , 1, 115-118 | 9 |
| 1198 | Surface Energy of Solids. 2006 , 29-42 | |
| 1197 | Surface and hemocompatibility studies of bi-soft segment polyurethane membranes. 2006 , 29, 866-72 | 6 |
| 1196 | Processing Properties. 2006 , 37-110 | 0 |
| 1195 | Surface Properties Of Lubricants And Hard Coatings As Predictors Of Frictional Behaviour Under Boundary Lubrication. 2006 , 10, 284-298 | 6 |
| 1194 | Surface Analysis of Low Ea 193 nm Chemical Amplification Resist Thin Films. 2006 , 19, 657-662 | 1 |
| 1193 | Physical Properties [Characteristic Values] Test Methods and Procedures. 2006 , 101-173 | 1 |
| 1192 | Fabrication of a Novel Bioceramic Membrane for Guided Bone Regeneration. 2006 , 114, 799-801 | 2 |
| 1191 | Void formation and transport during SMC manufacturing: Effect of the glass fiber sizing. 2006 , 27, 289-298 | 25 |

| | | |
|------|---|----|
| 1190 | Novel, well-defined polystyrene with a fluorine cluster end-capped group: Synthesis, characterization, and surface properties. 2006 , 44, 3853-3858 | 17 |
| 1189 | Influence of Fluorocarbon Plasma Polymer Films on the Growth of Primary Human Fibroblasts. 2006 , 3, 540-552 | 8 |
| 1188 | Engineering surface and development of a new DNA micro array chip. 2006 , 260, 274-286 | 50 |
| 1187 | Emulsifier-free latex of fluorinated acrylate copolymer. 2006 , 42, 694-701 | 72 |
| 1186 | Synthesis and characterization of copolymers based on styrene and partially fluorinated acrylates. 2006 , 42, 702-710 | 47 |
| 1185 | Surface characterisation of various bone cements prepared with functionalised methacrylates/bioactive ceramics in relation to HOB behaviour. 2006 , 2, 143-54 | 5 |
| 1184 | Chemical reaction of sputtered Cu film with PI modified by low energy reactive atomic beam. 2006 , 252, 5877-5891 | 91 |
| 1183 | The influence of UV-irradiation and support type on surface properties of poly(methyl methacrylate) thin films. 2006 , 252, 8185-8192 | 62 |
| 1182 | Surface free energy of CrNx films deposited using closed field unbalanced magnetron sputtering. 2006 , 252, 8295-8300 | 21 |
| 1181 | Response of human chondrocytes to a non-uniform distribution of hydrophilic domains on poly (ethyl acrylate-co-hydroxyethyl methacrylate) copolymers. 2006 , 27, 1003-12 | 52 |
| 1180 | On the respective effect of the surface energy and micro-geometry in the cleaning ability of bare and coated steels. 2006 , 272, 56-62 | 17 |
| 1179 | Surface free energy evaluation of well-ordered Langmuir-Blodgett surfaces: Comparison of different approaches. 2006 , 276, 107-115 | 37 |
| 1178 | The capillary race: Optimal surface tensions for fastest penetration. 2006 , 282-283, 263-271 | 9 |
| 1177 | Liquid-paper interactions during liquid drop impact and recoil on paper surfaces. 2006 , 280, 203-215 | 33 |
| 1176 | Surface energetics of cementitious materials and their wettability by an epoxy adhesive. 2006 , 286, 78-91 | 29 |
| 1175 | Structural influence of mono and polyhydric alcohols on the stabilization of collagen. 2006 , 48, 101-5 | 39 |
| 1174 | Kinetics of yeast detachment from controlled stainless steel surfaces. 2006 , 51, 71-9 | 15 |
| 1173 | Surface transformation of carbon nanotube powder into super-hydrophobic and measurement of wettability. 2006 , 427, 390-393 | 45 |

| | | |
|------|--|-----|
| 1172 | Quantitative kinetic analysis of gene expression during human osteoblastic adhesion on orthopaedic materials. 2006 , 27, 2829-44 | 79 |
| 1171 | Manipulating the surface properties of polyacrylamide with nitrogen plasma. 2006 , 42, 2914-2920 | 10 |
| 1170 | Surface modifications of ITO electrodes for polymer light-emitting devices. 2006 , 253, 2102-2107 | 21 |
| 1169 | Microphase separation behavior on the surfaces of PEGMDI/PDMS multiblock copolymer coatings. 2006 , 253, 2978-2983 | 32 |
| 1168 | Trialkylsilanes as reagents for the UV-induced surface modification of polybutadiene. 2006 , 47, 156-165 | 26 |
| 1167 | Perfluoropolyether-based organic/inorganic hybrid coatings. 2006 , 47, 1055-1062 | 85 |
| 1166 | Crystallization-driven migration of the low surface energy segment of a copolymer to the bulk. 2006 , 47, 3164-3170 | 16 |
| 1165 | Surface-active fluorocarbon end-functionalized polylactides. 2006 , 47, 8116-8122 | 23 |
| 1164 | Solid-liquid interfacial energy as a tool to estimate shifts in isoelectric points of adsorbed proteins on solid surfaces. 2006 , 293, 500-4 | 12 |
| 1163 | Surface esterification of cellulose fibers: characterization by DRIFT and contact angle measurements. 2006 , 295, 79-83 | 99 |
| 1162 | Effect of oxygen plasma treatment on the surface properties of tin-doped indium oxide substrates for polymer LEDs. 2006 , 300, 697-703 | 16 |
| 1161 | Surface characterization by XPS, contact angle measurements and ToF-SIMS of cellulose fibers partially esterified with fatty acids. 2006 , 301, 205-9 | 51 |
| 1160 | Reversible hydrophobization and lipophobization of cellulose fibers via trifluoroacetylation. 2006 , 301, 333-6 | 31 |
| 1159 | Surface properties of inclusion complexes between alpha-cyclodextrin and poly(ethylene oxide). 2006 , 301, 607-11 | 11 |
| 1158 | Surface modification and characterization of indium-tin oxide for organic light-emitting devices. 2006 , 302, 613-9 | 29 |
| 1157 | Low voltage electrowetting using thin fluoropolymer films. 2006 , 303, 517-24 | 151 |
| 1156 | Synthesis and characterization of a novel fluorine-containing polymer emulsion with core/shell structure. 2006 , 127, 282-286 | 50 |
| 1155 | Surface modification of microporous polyurethane membrane with poly(ethylene glycol) to develop a novel membrane. 2006 , 274, 150-158 | 92 |

| | | |
|------|---|-----|
| 1154 | Improvement of hydrophobic properties of polymer surfaces by plasma source ion implantation. 2006 , 200, 4763-4769 | 60 |
| 1153 | Enhancement of adhesion strength between two AISI 316 L stainless steel plates through atmospheric pressure plasma treatment. 2006 , 200, 5220-5228 | 40 |
| 1152 | Cohesive and adhesive properties of polycaprolactone/silica hybrid coatings on poly(methyl methacrylate) substrates. 2006 , 200, 6706-6712 | 31 |
| 1151 | Wettability of polypropylene films coated with SiOx plasma deposited layers. 2006 , 201, 129-135 | 33 |
| 1150 | Effect of a low-pressure plasma treatment on water vapor diffusivity and permeability of poly(ethylene-co-vinyl alcohol) and polyethylene films. 2006 , 201, 868-879 | 24 |
| 1149 | Adhesion properties of polyamide-6 fibres treated by dielectric barrier discharge. 2006 , 201, 1117-1123 | 37 |
| 1148 | Evaluation of non-stick properties of magnetron-sputtered coatings for moulds used for the processing of polymers. 2006 , 201, 3802-3809 | 27 |
| 1147 | Dynamic hydrophobicity of water droplets on the line-patterned hydrophobic surfaces. 2006 , 600, 2711-2717 | 34 |
| 1146 | Friction, wear and material transfer of sintered polyimides sliding against various steel and diamond-like carbon coated surfaces. 2006 , 39, 575-589 | 25 |
| 1145 | Plasma-polymerized versus polycondensed thin films of vinyltriethoxysilane. 2006 , 502, 181-187 | 18 |
| 1144 | The influence of Cr-based coating on the adhesion force between epoxy molding compounds and IC encapsulation mold. 2006 , 515, 285-292 | 59 |
| 1143 | Acid-base interactions and adhesion capacity in the system constituted by an epoxy coating and a metal. 2006 , 79, 930-933 | 1 |
| 1142 | Energy criteria for orientation of smectic C* liquid crystals in electrooptic elements. 2006 , 51, 680-684 | 8 |
| 1141 | Physicochemical properties of functional surfaces in pitchers of the carnivorous plant <i>Nepenthes alata</i> Blanco (Nepenthaceae). 2006 , 8, 841-8 | 46 |
| 1140 | Surface energy of oxides and silicates. 2006 , 42, 145-161 | 14 |
| 1139 | Polycrystalline silicon carbide as a substrate material for reducing adhesion in MEMS. 2006 , 21, 226-232 | 11 |
| 1138 | Determination of accurate surface tensions of maleimide copolymers containing fluorinated side chain from contact angle measurements. 2006 , 284, 497-505 | 20 |
| 1137 | Temperature and time dependence of conductive network formation: Dynamic percolation and percolation time. 2006 , 47, 466-473 | 115 |

| | | |
|------|--|--------|
| 1136 | The surface properties of ionomers based on styrene-co-acrylic acid copolymers. 2006 , 600, 1134-1139 | 9 |
| 1135 | Study of the substrate treatment effect on initial growth of indium tin-oxide films on polymer substrate using in situ conductance measurement. 2006 , 496, 58-63 | 7 |
| 1134 | Static solvent contact angle measurements, surface free energy and wettability determination of various self-assembled monolayers on silicon dioxide. 2006 , 515, 1433-1438 | 336 |
| 1133 | Relationships between the glass fibre sizing composition and the surface quality of sheet moulding compounds (SMC) body panels. 2006 , 66, 115-127 | 23 |
| 1132 | Characterization of transport properties in gas diffusion layers for proton exchange membrane fuel cells. 2006 , 160, 1156-1162 | 137 |
| 1131 | A study on physicochemical properties of epoxy coating system for nuclear power plants. 2006 , 236, 931-937 | 11 |
| 1130 | A review and comparative study of release coatings for optimised adhesion in resin transfer moulding applications. 2006 , 26, 577-599 | 38 |
| 1129 | Determining the contact angle between liquids and cylindrical surfaces. 2006 , 294, 418-22 | 20 |
| 1128 | Electrically conductive composites prepared from 3-methyl thiophene by the FeCl ₃ oxidation method. 2006 , 23, 1055-1062 | 4 |
| 1127 | Fluorinated polyurethane coatings with adaptable surface properties. 2006 , 89, 23-30 | 5 |
| 1126 | Stability Model for a Lubricant Film With a Slider. 2006 , 42, 2537-2539 | 4 |
| 1125 | A dewetting process to nano-pattern collagen on hydroxyapatite. 2006 , 60, 3647-3650 | 13 |
| 1124 | Silicone-containing polymer matrices as protective coatings. 2006 , 55, 160-167 | 99 |
| 1123 | Adhesion performance of an epoxy clear coat on aluminum alloy in the presence of vinyl and amino-silane primers. 2006 , 57, 307-313 | 69 |
| 1122 | Fluorinated acrylic polymers: Surface properties and XPS investigations. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 821-827 | 2.9 20 |
| 1121 | Surface modification of polypropylene sheets by UV-radiation grafting polymerization. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1446-1461 | 2.9 24 |
| 1120 | Reactive blending approach to modify spin-coated epoxy film: Part I. Synthesis and characterization of star-shaped poly(ϵ -caprolactone). <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3677-3688 | 2.9 11 |
| 1119 | Fluorinated-plasma modification of polyetherimide films. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 3579-3588 | 2.9 3 |

| | | | |
|------|---|-----|-----|
| 1118 | Functionalization of chitosan membranes through phosphorylation: Atomic force microscopy, wettability, and cytotoxicity studies. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 276-284 | 2.9 | 21 |
| 1117 | Wetting behavior of thermally bonded polyester nonwoven fabrics: The importance of porosity. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 387-394 | 2.9 | 19 |
| 1116 | Effect of geometry and surface properties of silicates on nanostructuring of suspension in precursors of an epoxy/amine network. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1380-1390 | 2.9 | 11 |
| 1115 | Surface properties of fluorinated hybrid coatings. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1483-1488 | 2.9 | 42 |
| 1114 | Electrical conductivity modeling of carbon-filled liquid-crystalline polymer composites. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 3293-3300 | 2.9 | 26 |
| 1113 | Synthesis and characterization of hydrophilic nanocomposite coating on glass substrate. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5322-5329 | 2.9 | 18 |
| 1112 | Synthesis of stable super water- and oil-repellent polythiophene films. 2006 , 45, 2251-4 | | 94 |
| 1111 | Film properties and polycrystallization of organic dyes on ITOs with surface treatment for organic light-emitting diodes. 2006 , 156, 1-8 | | 4 |
| 1110 | Enhancing surface free energy and hydrophilicity through chemical modification of microstructured titanium implant surfaces. 2006 , 76, 323-34 | | 461 |
| 1109 | Influence of hydroxyapatite microstructure on human bone cell response. 2006 , 78, 222-35 | | 94 |
| 1108 | Adsorption of albumin on prosthetic materials: implication for tribological behavior. 2006 , 78, 581-9 | | 87 |
| 1107 | Influence of physicochemical properties of laser-modified polystyrene on bovine serum albumin adsorption and rat C6 glioma cell behavior. 2006 , 78, 746-54 | | 13 |
| 1106 | Hemocompatibility of low-friction boron-carbon-nitrogen containing coatings. 2006 , 77, 179-87 | | 21 |
| 1105 | Anti-infective surfaces based on tetraether lipids for peritoneal dialysis catheter systems. 2006 , 37, 538-545 | | 11 |
| 1104 | Synthesis of Stable Super Water- and Oil-Repellent Polythiophene Films. 2006 , 118, 2309-2312 | | 14 |
| 1103 | Surface Properties Of Lubricants And Hard Coatings As Predictors Of Frictional Behaviour Under Boundary Lubrication. 2006 , 10, lxxvii-78 | | |
| 1102 | Three-dimensional SU-8 structures by reversal UV imprint. 2006 , 24, 2225 | | 39 |
| 1101 | Deposition and patterning of diamondlike carbon as antiwear nanoimprint templates. 2006 , 24, 2993 | | 30 |

| | | |
|------|---|-----|
| 1100 | Hybrid mold reversal imprint for three-dimensional and selective patterning. 2006 , 24, 2968 | 10 |
| 1099 | Multiple level nanochannels fabricated using reversal UV nanoimprint. 2006 , 24, 2984 | 23 |
| 1098 | Poly(ester)s Containing Germanium and Silicon in the Main Chain. 1. Langmuir Monolayer Characterization. 2006 , 45, 105-118 | 3 |
| 1097 | Roles of interfaces between carbon fibers and epoxy matrix on interlaminar fracture toughness of composites. 2006 , 13, 249-267 | 17 |
| 1096 | Effects of fibre surface silanisation on silica fibre/phenolics composites produced by resin transfer moulding process. 2006 , 22, 206-212 | 5 |
| 1095 | Surface reactivity of polyimide and its effect on adhesion to epoxy. 2006 , 20, 1905-1928 | 5 |
| 1094 | Nanofabrication of Diamond-Like Carbon Templates for Nanoimprint Lithography. 2006 , 956, 1 | 1 |
| 1093 | Multidentate functionalized lubricant for ultralow head/disk spacing in a disk drive. 2006 , 100, 044306 | 51 |
| 1092 | Nondipolar liquid migration on carbon nanotube films at low field. 2006 , 89, 044109 | 2 |
| 1091 | Improving mold compound adhesion to Ni/Pd/Au pre-plated lead frames. | 1 |
| 1090 | Adhesion of coating materials to wood. 2006 , 20, 875-895 | 18 |
| 1089 | Literatur. 2006 , 863-1024 | |
| 1088 | Characterization of organic photovoltaic devices with indium-tin-oxide anode treated by plasma in various gases. 2006 , 100, 093711 | 38 |
| 1087 | Kleben. 2006 , | 55 |
| 1086 | Comparison of He ^D [sub 2] and Ar ^D [sub 2] Atmospheric-Pressure Plasma for Photoresist Etching. 2007 , 154, H422 | 10 |
| 1085 | Taguchi-based optimization of adhesion of polyurethane to plasticized poly(vinyl chloride) in synthetic leather. 2007 , 21, 705-724 | 3 |
| 1084 | Effects in Surface Free Energy of Sputter-Deposited MoN _x Films. 2007 , 46, 6786-6789 | |
| 1083 | Stability of the hydrophilic behavior of oxygen plasma activated SU-8. 2007 , 17, 524-531 | 149 |

| | | |
|------|--|----|
| 1082 | Surface Energy Characterization of Partially Cured Benzocyclobutene for 3D Interconnect Applications. 2007 , 11, 421-432 | |
| 1081 | Optimized plasma-deposited fluorocarbon coating for dry release and passivation of thin SU-8 cantilevers. 2007 , 25, 1903 | 28 |
| 1080 | Stretching and selective immobilization of DNA in SU-8 micro- and nanochannels. 2007 , 25, 2352 | 13 |
| 1079 | Surface Treatment of Aluminum Sheets by Pulsed Microwave Plasma Discharge at Atmospheric Pressure. 2007 , 46, 3583-3588 | 3 |
| 1078 | UV nanoimprint materials: Surface energies, residual layers, and imprint quality. 2007 , 25, 785 | 37 |
| 1077 | Relationship Between Interfacial Water Layer Adhesion Loss of Silicon/Glass Fiber-Epoxy Systems: A Quantitative Study. 2007 , 83, 587-610 | 9 |
| 1076 | Realization of Electrical-Optical-Circuit-Board Self-packaging. 2007 , | 2 |
| 1075 | Self-organized patterning of molecularly thin liquid polymer films utilizing molecular flow induced by ultraviolet irradiation. 2007 , 90, 123119 | 9 |
| 1074 | Preparation and Surface Properties of Fluorine-Containing Diblock Copolymers PLMA-Block-PFAEA. 2007 , 44, 1235-1243 | 4 |
| 1073 | Waste PU/PP Blends with Improved Technological Properties. 2007 , 47, 47-52 | 4 |
| 1072 | Formation of Circuit Pattern on Liquid-Crystalline Polymer Film by Electroless Copper Plating. 2007 , 464, 187/[769]-194/[776] | 2 |
| 1071 | Comparison between Tribological Characteristics of Al-Cu-Fe-B Quasicrystalline and Mo Coatings. 2007 , 26-28, 715-718 | |
| 1070 | Adhesion study of silicone coatings: the interaction of thickness, modulus and shear rate on adhesion force. 2007 , 23, 113-20 | 66 |
| 1069 | Method for Modifying Mechanical Properties of Carbon Nano-fiber Polymeric Composites. 2007 , 20, 277-289 | 12 |
| 1068 | Release characteristics of polymer surface when moulding polyurethane foam. 2007 , 36, 438-444 | 6 |
| 1067 | STUDY OF POLYMER SINTERING DURING ROTATIONAL MOLDING. 2007 , 27, | 7 |
| 1066 | Surface Free Energy Effects in Sputter-Deposited WN _x Films. 2007 , 48, 2449-2453 | 8 |
| 1065 | Chapter 8 Structure and Physicochemical Properties of Polyalkylsiloxane Monolayers Prepared onto the Solid Substrate. 2007 , 14, 193-217 | |

| | | |
|------|---|----|
| 1064 | Enhancing polymer adhesion through surface activation using an in-line atmospheric pressure plasma. 2007 , 1, 554 | 9 |
| 1063 | Preparation and Surface Properties of Poly(vinyl alcohol) Brush. 2007 , 36, 1280-1281 | 11 |
| 1062 | Sanitary Ware with Easy Cleaning and/or Antibacterial Properties. 2007 , 44, 222-225 | 1 |
| 1061 | Study of Chemical Analysis at the Surface of Organic Thin Films by Scanning Force Microscopy with Chemically Modified Cantilever Tip. 2007 , 43, 58-63 | |
| 1060 | Temperature control molecular stacking of discotic liquid crystal in columnar mesophase. 2007 , | 5 |
| 1059 | Correlating dynamics and selectivity in adsorption of semiconductor nanocrystals onto a self-organized pattern. 2007 , 7, 3483-8 | 14 |
| 1058 | Swelling of poly(3-alkylthiophene) films exposed to solvent vapors and humidity: Evaluation of solubility parameters. 2007 , 157, 726-732 | 82 |
| 1057 | Combinatorial and high-throughput screening of the effect of siloxane composition on the surface properties of crosslinked siloxane-polyurethane coatings. 2007 , 9, 178-88 | 57 |
| 1056 | Methods to determine surface energies of natural fibres: a review. 2007 , 14, 581-604 | 61 |
| 1055 | Wetting properties of food packaging. 2007 , 40, 653-659 | 24 |
| 1054 | Tribological behaviour of Cl-implanted TiN coatings for biomedical applications. 2007 , 262, 1337-1345 | 25 |
| 1053 | Factors regulating cheese shreddability. 2007 , 90, 2163-74 | 20 |
| 1052 | Bi-phobic cellulose fibers derivatives via surface trifluoropropanoylation. 2007 , 23, 10801-6 | 23 |
| 1051 | Novel thermoplastic materials based on the outer-shell oxypropylation of corn starch granules. 2007 , 8, 2047-50 | 39 |
| 1050 | Synthesis of HMDI-based segmented polyurethanes and their use in the manufacture of elastomeric composites for cardiovascular applications. 2007 , 18, 561-78 | 28 |
| 1049 | Highly hydrophobic biopolymers prepared by the surface pentafluorobenzoylation of cellulose substrates. 2007 , 8, 1347-52 | 53 |
| 1048 | Polar interactions at liquid/polymer interfaces. 2007 , 21, 961-981 | 99 |
| 1047 | Induced increase in surface work function and surface energy of indium tin oxide-doped ZnO films by (NH ₄) ₂ S _x treatment. 2007 , 101, 113713 | 7 |

| | | |
|------|---|-----|
| 1046 | Liquid crystal pretilt angle control using adjustable wetting properties of alignment layers. 2007 , 90, 253505 | 32 |
| 1045 | Plasma-polymerized organosilicones as engineered interlayers in glass fiber/polyester composites. 2007 , 14, 321-334 | 21 |
| 1044 | Influence of the interfacial reaction on interfacial adhesion in polyarylacetylene resin/silica glass composites. 2007 , 21, 1395-1405 | 1 |
| 1043 | Hydrophobic coating of carbon nanotubes by CH ₄ glow plasma at low pressure, and their resulting wettability. 2007 , 17, 232-237 | 40 |
| 1042 | Friction behavior of high-density poly(2-methacryloyloxyethyl phosphorylcholine) brush in aqueous media. 2007 , 3, 740-746 | 222 |
| 1041 | Effect of chitosan membrane surface modification via plasma induced polymerization on the adhesion of osteoblast-like cells. 2007 , 17, 4064 | 103 |
| 1040 | The Effect of Mechanical Rubbing on the Surface Free Energy of Poly(Vinyl) Alcohol Thin Films and the Contact Angle of a Liquid Crystal on the Rubbed Polymer Surfaces. 2007 , 479, 3/[1041]-11/[1049] | 2 |
| 1039 | Influence of molecular mass on the liquid crystal alignment of photosensitive fluorinated polyester films. 2007 , 34, 101-106 | 1 |
| 1038 | Multi-End-Functionalized Polymers: Additives to Modify Polymer Properties at Surfaces and Interfaces. 2007 , 40, 1969-1980 | 37 |
| 1037 | Surface and Interfacial Properties. 2007 , 1011-1020 | 8 |
| 1036 | Poly(L-lactic acid) with Segmented Perfluoropolyether Enchainment. 2007 , 40, 9354-9360 | 40 |
| 1035 | Photoinduced amphiphilic property of InNbO ₄ thin film. 2007 , 23, 1924-7 | 18 |
| 1034 | Density depletion at solid-liquid interfaces: a neutron reflectivity study. 2007 , 23, 598-608 | 94 |
| 1033 | Surface Free Energy of Cubic Boron Nitride Films Deposited on Nanodiamond. 2007 , 111, 12768-12772 | 14 |
| 1032 | Synthesis of New Vulcan-Shape Aromatic Polyimides for IPS-Mode and Their Alignment Properties. 2007 , 479, 81/[1119]-93/[1131] | 0 |
| 1031 | The effect of polymer surface on the wetting and adhesion of liquid systems. 2007 , 21, 227-241 | 69 |
| 1030 | Structure and dewetting behavior of polyhedral oligomeric silsesquioxane-filled polystyrene thin films. 2007 , 23, 902-7 | 42 |
| 1029 | Poly(bis-2,2,2-trifluoroethoxymethyl oxetane): enhanced surface hydrophobicity by crystallization and spontaneous asperity formation. 2007 , 23, 11964-7 | 10 |

| | | | |
|------|--|-----|----|
| 1028 | Future design of a new keratoprosthesis. Physical and biological analysis of polymeric substrates for epithelial cell growth. 2007 , 8, 2429-36 | | 26 |
| 1027 | From superhydrophobic to superhydrophilic surfaces tuned by surfactant solutions. 2007 , 91, 094108 | | 44 |
| 1026 | Photolithographic Patterning of Polymer Surfaces Using the Photo-Fries Rearrangement: Selective Postexposure Reactions. 2007 , 19, 3011-3017 | | 26 |
| 1025 | Surface energy of the plasma treated Si incorporated diamond-like carbon films. 2007 , 16, 1732-1738 | | 66 |
| 1024 | Characterizing Chemically Reactive Thin Layers: Surface Reaction of [2-[4-(Chlorosulfonyl)phenyl]ethyl]trichlorosilane with Ammonia. 2007 , 111, 12407-12413 | | 10 |
| 1023 | Water at solid surfaces: A review of selected theoretical aspects and experiments on the subject. 2007 , 2, MR1-15 | | 37 |
| 1022 | Contact angles in relation to emulsions stabilised solely by silica nanoparticles including systems containing room temperature ionic liquids. 2007 , 9, 6391-7 | | 81 |
| 1021 | Material Properties: Measurement and Data. 2007 , 85-177 | | 6 |
| 1020 | Elimination of the reactivation process in the adhesion of chlorinated SBS rubber with polychloroprene adhesives. 2007 , 1, 236-244 | | 3 |
| 1019 | Adhesion in Solid Propellant Rocket Motors. 2007 , 83, 223-254 | | 9 |
| 1018 | Study of the Adhesion Interaction of Epoxy Resin and Sticker in Resinate. 2007 , 34, 11-13 | | |
| 1017 | Investigations on the adhesion and interfacial properties of polyurethane foam/thermoplastic materials. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 479-488 | 2.9 | 7 |
| 1016 | Biodegradable blends of poly(L-lactide) and starch. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 269-277.9 | | 35 |
| 1015 | Simultaneous graft copolymerization of 2-hydroxyethyl methacrylate and acrylic acid onto polydimethylsiloxane surfaces using a two-step plasma treatment. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 2208-2217 | 2.9 | 45 |
| 1014 | Surface modification of a polyurethane film by low pressure glow discharge oxygen plasma treatment. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 1077-1085 | 2.9 | 47 |
| 1013 | Recoverable surface modification using dendritically fluorocarbon-functionalized poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 2007 , 105, 623-628 | 2.9 | 16 |
| 1012 | Allylamine plasma-polymerization on PLLA surface evaluation of the biodegradation. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 1978-1986 | 2.9 | 10 |
| 1011 | Selective chemical absorbance in electrospun nonwovens. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 2363-2370 | 2.9 | 28 |

| | | | |
|------|--|-----|-----|
| 1010 | Preparation and characterization of poly(vinylidene fluoride) hollow fiber membranes for vacuum membrane distillation. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1482-1495 | 2.9 | 66 |
| 1009 | Surface Topography, Surface Energy and Wettability of Magnetron-Sputtered Amorphous Carbon (a-C) Films and Their Relevance for Platelet Adhesion. 2007 , 9, 1114-1122 | | 31 |
| 1008 | Acrylic bone cements with bismuth salicylate: Behavior in simulated physiological conditions. 2007 , 80, 321-32 | | 11 |
| 1007 | Influence of gradual introduction of hydrophobic groups (stearic acid) in denatured atelocollagen on fibroblasts behavior in vitro. 2007 , 80, 758-67 | | 4 |
| 1006 | Theoretical and experimental approaches of bacteria-biomaterial interactions. 2007 , 38, 983-994 | | 14 |
| 1005 | Anisotropic surface chemistry of aspirin crystals. 2007 , 96, 2134-44 | | 55 |
| 1004 | Superhydrophilic polymer surface modification by low energy reactive ion beam irradiation using a closed electron Hall drift ion source. 2007 , 201, 8099-8104 | | 16 |
| 1003 | Surface cleaning of indium tin oxide by atmospheric air plasma treatment with the steady-state airflow for organic light emitting diodes. 2007 , 201, 4973-4978 | | 14 |
| 1002 | Effect of dielectric barrier discharge on surface modification characteristics of polyimide film. 2007 , 201, 5017-5020 | | 13 |
| 1001 | Preferential surface segregation of homopolymer and copolymer blend films. 2007 , 601, 885-895 | | 42 |
| 1000 | Stable hydrophobic surfaces created by self-assembly of poly(methyl methacrylate) end-capped with 2-perfluorooctylethyl methacrylate units. 2007 , 601, 3632-3639 | | 36 |
| 999 | Surface energy modification by electron beam. 2007 , 601, 5042-5049 | | 25 |
| 998 | Oxygen plasma treatment effects of indium-tin oxide in organic light-emitting devices. 2007 , 81, 819-825 | | 18 |
| 997 | Microtribological analysis of gold and copper contacts. 2007 , 40, 1526-1530 | | 17 |
| 996 | Atomic force microscopy characterization of the surface wettability of natural fibres. 2007 , 253, 3627-3635 | | 117 |
| 995 | Influence of coupling agent chain lengths on interfacial performances of polyarylacetylene resin and silica glass composites. 2007 , 253, 4338-4343 | | 21 |
| 994 | Effect of PMMA on crystallization behavior and hydrophilicity of poly(vinylidene fluoride)/poly(methyl methacrylate) blend prepared in semi-dilute solutions. 2007 , 253, 8377-8388 | | 159 |
| 993 | Combinatorial materials research applied to the development of new surface coatings: VIII: Overview of the high-throughput measurement systems developed for a marine coating workflow. 2007 , 254, 692-698 | | 13 |

| | | |
|-----|--|-----|
| 992 | Cleanability assessment of model solid surfaces with a radial-flow cell. 2007 , 302, 540-548 | 15 |
| 991 | Development and applications of the interfacial tension between water and organic or biological surfaces. 2007 , 54, 2-9 | 98 |
| 990 | Inherent sensing and interfacial evaluation of carbon nanofiber and nanotube/epoxy composites using electrical resistance measurement and micromechanical technique. 2007 , 38, 847-861 | 82 |
| 989 | Effect of chemical treatments of Alfa (<i>Stipa tenacissima</i>) fibres on water-sorption properties. 2007 , 67, 685-697 | 185 |
| 988 | Effect of γ irradiation grafting on the carbon fibers and interfacial adhesion of epoxy composites. 2007 , 67, 3261-3270 | 153 |
| 987 | Recent progress in the determination of solid surface tensions from contact angles. 2007 , 132, 1-32 | 134 |
| 986 | A dye/gand immobilized poly(2-hydroxyethylmethacrylate) membrane used for adsorption and isolation of immunoglobulin G. 2007 , 34, 147-155 | 18 |
| 985 | Specific proliferation rates of human osteoblasts on calcium phosphate surfaces with variable concentrations of β CP. 2007 , 27, 61-66 | 8 |
| 984 | Modulating bone cells response onto starch-based biomaterials by surface plasma treatment and protein adsorption. 2007 , 28, 307-15 | 91 |
| 983 | Structure optimization of water-permselective membrane surfaces by reconstruction. 2007 , 303, 173-182 | 7 |
| 982 | PVDF and HYFLON AD membranes: Ideal interfaces for contactor applications. 2007 , 300, 51-62 | 87 |
| 981 | Morphology and rheology of immiscible polymer blends filled with silica nanoparticles. 2007 , 48, 6029-6040 | 363 |
| 980 | Comparative study on the surface free energy of a solid calculated by different methods. 2007 , 26, 14-19 | 106 |
| 979 | Synthesis and characterization of tri-block fluorinated-n-alkanes. 2007 , 128, 493-499 | 14 |
| 978 | Fluorinated-plasma coating on polyhydroxyalcanoate PHBV. 2007 , 128, 925-930 | 14 |
| 977 | Gas phase hydrophobisation of MEMS silicon structures with self-assembling monolayers for avoiding in-use sticking. 2007 , 126, 13-17 | 27 |
| 976 | Alkaline treatments to render starch-based biodegradable polymers self-mineralizable. 2007 , 1, 425-35 | 12 |
| 975 | Surface and interfacial properties of poly(amic acid)s and polyimides. 2007 , 47, 381-389 | 16 |

| | | |
|-----|---|-----|
| 974 | Blood compatibility of fluorodiol-containing polyurethanes. 2007 , 45, 3231-3242 | 12 |
| 973 | Synthesis and properties of new fluorinated ester, thioester, and amide substituted polythiophenes. Towards superhydrophobic surfaces. 2007 , 45, 4707-4719 | 15 |
| 972 | Surface enrichment and crystallization of polyamide and polytetrafluoroethylene blend. 2007 , 45, 138-152 | 7 |
| 971 | Effect of annealing on the microphase separated behavior and properties of PDMS b MDI b PEG multiblock copolymer films. 2007 , 45, 208-217 | 8 |
| 970 | Peeling of polydimethylsiloxane adhesives: The case of adhesive failure. 2007 , 45, 2113-2122 | 7 |
| 969 | Surface energetics, dispersion, and nanotribomechanical behavior of POSS/PP hybrid nanocomposites. 2007 , 45, 2441-2455 | 97 |
| 968 | Calculation of interfacial tension in polymer systems. 2007 , 34, 19-30 | 683 |
| 967 | Dielectric Barrier Discharge at Atmospheric Pressure as a Tool to Deposit Versatile Organic Coatings at Moderate Power Input. 2007 , 4, 145-157 | 94 |
| 966 | Amorphous Carbon Coatings Inhibit Crystalline Biofilm Formation on Urological Implants. 2007 , 4, S386-S391 | 25 |
| 965 | Properties of Siloxane Coatings Deposited in a Reel-to-Reel Atmospheric Pressure Plasma System. 2007 , 4, S450-S454 | 32 |
| 964 | Atmospheric Pressure Plasma Treatment of Glass Fibre Composite for Adhesion Improvement. 2007 , 4, S455-S459 | 29 |
| 963 | Investigation of Wood and Timber Surface Modification by Dielectric Barrier Discharge at Atmospheric Pressure. 2007 , 4, S470-S474 | 30 |
| 962 | PECVD Synthesis of Polysiloxane-Like Thin Films with Very Low Contact Angle Hysteresis. 2007 , 4, S771-S775 | 7 |
| 961 | VHF Roll Coater Plasma Polymerisation System. 2007 , 4, S831-S834 | 4 |
| 960 | Atmospheric Pressure Plasma Jet Treatment of Polyethylene Surfaces for Adhesion Improvement. 2007 , 4, S1041-S1045 | 165 |
| 959 | Plasma Treated and a-C:H Coated PET Performance in Inhibiting Bacterial Adhesion. 2007 , 4, S1046-S1051 | 17 |
| 958 | Improved Surface Energy Analysis for Plasma Treated PET Films. 2007 , 4, S1057-S1062 | 48 |
| 957 | Surface tension of poly(ester urethane)s and poly(ether urethane)s. 2007 , 56, 389-398 | 12 |

| | | | |
|-----|--|-----|-----|
| 956 | Contact wetting angle as a characterization technique for processing CdTe/CdS solar cells. 2007 , 15, 93-111 | | 15 |
| 955 | Adhesion modeling on rough low linear density polyethylene. 2007 , 72, E485-91 | | 18 |
| 954 | Preparation and surface characteristics of low-temperature curing fluorinated cathodic electrodeposition coating. 2007 , 60, 132-139 | | 14 |
| 953 | Optimization of edible coating composition to retard strawberry fruit senescence. 2007 , 44, 63-70 | | 256 |
| 952 | Combined AFM, XPS, and contact angle studies on treated indium tin-oxide films for organic light-emitting devices. 2007 , 61, 3809-3814 | | 49 |
| 951 | A model of thermodynamic compatibility of the filler with the polymeric matrix in a composite. 2007 , 80, 1594-1597 | | 1 |
| 950 | Changes in the energy characteristics of the surface of organosilicate coatings in the course of formation. 2007 , 33, 636-645 | | 1 |
| 949 | The role of acid-base interactions in the formation of polymer-metal adhesive joints. 2007 , 49, 139-144 | | 4 |
| 948 | Influence of photoinitiator and curing conditions on polymerization kinetics and gloss of UV-cured coatings. 2007 , 61, | | 13 |
| 947 | Effect of electron beam irradiation and vinyl acetate content on the physicochemical properties of LDPE/EVA blends. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2886-2895 | 2.9 | 11 |
| 946 | Hochreflektierende Beschichtungen auf Kunststoffoptiken. 2007 , 19, 11-15 | | 0 |
| 945 | Syntheses of Poly[(tetraphenyl-p-silphenylenesiloxane)-co-(tetramethyl-p-silphenylenesiloxane)]s and the Physical Properties of Their Films. 2007 , 39, 471-477 | | 4 |
| 944 | Dewetting Inhibition and Interfacial Structures of Silsesquioxane-terminated Polystyrene Thin Films. 2007 , 39, 1247-1252 | | 14 |
| 943 | Temperature Dependence of Surface Segregation in Miscible Polymer Blend of Poly(4-trimethylsilylstyrene)/Polyisoprene. 2007 , 39, 1274-1280 | | 4 |
| 942 | Effect of UV irradiation on cellulase degradation of cellulose acetate containing TiO ₂ . 2007 , 8, 19-24 | | 20 |
| 941 | Effect of drying method on the surface wettability of wood strands. 2007 , 65, 437-442 | | 22 |
| 940 | Creating Stable Hydrophobic Surfaces by Poly(butyl methacrylate) End-Capped with 2-perfluorooctylethyl Methacrylate Units. 2007 , 59, 105-115 | | 10 |
| 939 | Changes in Friction Properties of Monolayer Lubricant Films Induced by Development of Molecules with Bonding. 2007 , 28, 163-170 | | 13 |

| | | |
|-----|--|-----|
| 938 | Surface modification of cellulose with plant triglycerides for hydrophobicity. 2007 , 14, 469-480 | 81 |
| 937 | Obtaining surface tension from contact angle data by the individual representation approach. 2007 , 285, 1009-1018 | 6 |
| 936 | High throughput combinatorial characterization of thermosetting siloxane-urethane coatings having spontaneously formed microtopographical surfaces. 2007 , 4, 131-138 | 54 |
| 935 | Siloxane-containing polymer matrices as coating materials. 2007 , 4, 275-281 | 6 |
| 934 | Combinatorial approach to study the effect of acrylic polyol composition on the properties of crosslinked siloxane-polyurethane fouling-release coatings. 2007 , 4, 453-461 | 49 |
| 933 | Variation of Lap Shear Tensile Strength of Polycarbonate/Mild Steel Adhesive Joints with DC Glow Discharge Modified Polycarbonate. 2007 , 38, 197-202 | 3 |
| 932 | Characterization of fillers used in abrasive articles by means of inverse gas chromatography and principal component analysis. 2007 , 27, 188-194 | 15 |
| 931 | Surface improvement and biocompatibility of TiAl ₂₄ Nb ₁₀ intermetallic alloy using rf plasma nitriding. 2007 , 253, 9067-9072 | 9 |
| 930 | Self-sensing and interfacial evaluation of Ni nanowire/polymer composites using electro-micromechanical technique. 2007 , 67, 2121-2134 | 23 |
| 929 | Osteoblastic cell behaviour on different titanium implant surfaces. 2008 , 4, 535-43 | 213 |
| 928 | Moulding technique demonstrates the contribution of surface geometry to the super-hydrophobic properties of the surface of a water strider. 2008 , 4, 766-70 | 42 |
| 927 | Surface energy and hybridization studies of amorphous carbon surfaces. 2008 , 254, 4980-4991 | 43 |
| 926 | Surface characteristics of UV-irradiated polyurethane elastomers extended with α -alkane diols. 2008 , 254, 6754-6761 | 28 |
| 925 | Effect of surface physicochemical properties on the lubricating properties of water film. 2008 , 254, 7137-7142 | 34 |
| 924 | Self-sensing and dispersive evaluation of single carbon fiber/carbon nanotube (CNT)-epoxy composites using electro-micromechanical technique and nondestructive acoustic emission. 2008 , 39, 1170-1182 | 43 |
| 923 | Deposition of Ag nanoparticles on fluoroalkylsilane self-assembled monolayers with varying chain length. 2008 , 602, 3750-3759 | 21 |
| 922 | Adhesion and interfacial characteristics of metal/PI composite film modified by O ₂ ion beam. 2008 , 517, 1191-1194 | 12 |
| 921 | Correlation between the crystallization of polyfluorene and the surface free energy of substrates. 2008 , 517, 1340-1342 | 11 |

| | | |
|-----|---|-----|
| 920 | Migration of Processing Oils of Thermoplastic Rubber Treated with RF Plasma. 2008 , 28, 391-404 | 4 |
| 919 | Surface Modification of Silicone Rubber by CF ₄ Radio Frequency Plasma Immersion. 2008 , 28, 715-728 | 6 |
| 918 | Processing, characterisation, and biocompatibility of zinc modified metaphosphate based glasses for biomedical applications. 2008 , 19, 1669-79 | 47 |
| 917 | The preparation of high conversion polymeric systems containing eugenol residues and their rheological characterization. 2008 , 19, 1467-77 | 12 |
| 916 | Surface energy of hydroxyapatite and beta-tricalcium phosphate ceramics driving serum protein adsorption and osteoblast adhesion. 2008 , 19, 2307-16 | 103 |
| 915 | Principal component analysis and multicomponent surface free energy theories. 2008 , 43, 1032-1051 | 3 |
| 914 | Surface grafting polymerization of vinyl monomers on poly(tetrafluoroethylene) films by plasma treatment. 2008 , 15, 309-318 | 48 |
| 913 | Modification of polypropylene surface by CH ₄ /O ₂ low-pressure plasma to improve wettability. 2008 , 43, 3466-3473 | 18 |
| 912 | The role of surface morphology on the strength and failure mode of polymer fibre reinforced single lap joints. 2008 , 43, 4271-4281 | 10 |
| 911 | Study of the aging process of corona discharge plasma effects on low density polyethylene film surface. 2008 , 43, 4901-4909 | 50 |
| 910 | Biological affinity and biodegradability of poly(propylene carbonate) prepared from copolymerization of carbon dioxide with propylene oxide. 2008 , 16, 473-480 | 44 |
| 909 | Attachment force of the beetle <i>Cryptolaemus montrouzieri</i> (Coleoptera, Coccinellidae) on leaflet surfaces of mutants of the pea <i>Pisum sativum</i> (Fabaceae) with regular and reduced wax coverage. 2008 , 2, 247-259 | 49 |
| 908 | Surface modification of poly(lactic acid) by UV/Ozone irradiation. 2008 , 9, 674-678 | 69 |
| 907 | Interface Engineering and Direct Bonding of Lithium Tantalate Crystals. 2008 , 37, 1547-1551 | 1 |
| 906 | Relationship between surface chemistry and surface energy of different shape pigment blend coatings. 2008 , 5, 85-91 | 11 |
| 905 | Review: static and dynamic behavior of liquids inside carbon nanotubes. 2008 , 5, 289-305 | 211 |
| 904 | Crystallization behavior and hydrophilicity of poly (vinylidene fluoride) (PVDF)/poly (styrene-co-acrylonitrile) (SAN) blends. 2008 , 286, 1193-1202 | 33 |
| 903 | Modifying and managing the surface properties of polymers. 2008 , 57, 163-170 | 44 |

| | | |
|-----|---|-----|
| 902 | The influence of temperature treatment and carbon addition on the surface morphology and the surface energy of molybdenum layers on carbon substrates. 2008 , 40, 526-528 | 2 |
| 901 | Interactions at the interface between thermoplastic rubber and polychloroprene adhesive. 2008 , 40, 107-120 | 6 |
| 900 | Bovine serum albumin adsorption onto 316L stainless steel and alumina: a comparative study using depletion, protein radiolabeling, quartz crystal microbalance and atomic force microscopy. 2008 , 40, 1529-1537 | 47 |
| 899 | Effects of Ar/H/N-ion bombardment on the surface free energy and friction behavior of the fullerene-like hydrogenated carbon (FL-C:H) film. 2008 , 40, 1475-1480 | 1 |
| 898 | Biocompatible DLC coatings by PBI: Effects of doping and surface roughness. 2008 , 5, 952-955 | 2 |
| 897 | Migration of nanosilica particles in polymer blends. 2008 , 46, 1976-1983 | 128 |
| 896 | Nitrogen-Rich Plasma-Polymer Films for Biomedical Applications. 2008 , 5, 44-57 | 181 |
| 895 | Grafting of Paper by Silane Coupling Agents Using Cold-Plasma Discharges. 2008 , 5, 444-452 | 27 |
| 894 | Effect of Plasma Exposure on the Chemistry and Morphology of Aerosol-Assisted, Plasma-Deposited Coatings. 2008 , 5, 737-744 | 39 |
| 893 | Effect of Surface Free Energy on the Flowability of Lactose Powder Treated by PECVD. 2008 , 5, 753-758 | 30 |
| 892 | The influence of surface morphology on the interfacial adhesion and fracture behavior of vacuum infused carbon fiber reinforced polymeric repairs. 2008 , 29, 92-108 | 8 |
| 891 | High-dielectric-constant hafnium silicate insulator for low-voltage pentacene field-effect transistors. 2008 , 205, 2970-2974 | 16 |
| 890 | Influence of dielectric surface modification on growth, structure and transport properties of perylene films. 2008 , 245, 782-787 | 3 |
| 889 | Modification of Polyethylene by VUV Irradiation in the Presence of Trimethylsilane and Oxygen. 2008 , 209, 1232-1239 | 5 |
| 888 | 2-Naphthoxymethyl-Substituted Polystyrenes for Homeotropic Liquid-Crystal Alignment Layers. 2008 , 209, 1900-1908 | 15 |
| 887 | Plasma surface modification of chitosan membranes: characterization and preliminary cell response studies. 2008 , 8, 568-76 | 117 |
| 886 | Influence of Fillers on Sizing Efficiency and Hydrolysis of Alkyl Ketene Dimer. 2008 , 83, 603-606 | 8 |
| 885 | Cytocompatibility of aliphatic polyesters--in vitro study on fibroblasts and macrophages. 2008 , 87, 524-35 | 19 |

| | | | |
|-----|---|-----|-----|
| 884 | Plasma surface modification of poly(D,L-lactic acid) as a tool to enhance protein adsorption and the attachment of different cell types. 2008 , 87, 59-66 | | 69 |
| 883 | Preparation of multinuclear microparticles using a polymerization in emulsion process. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2444-2452 | 2.9 | 18 |
| 882 | Effects of silica surface treatment on the impregnation process of silica fiber/phenolics composites. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2274-2279 | 2.9 | 3 |
| 881 | Comparison of surface energies using various approaches and their suitability. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3707-3717 | 2.9 | 52 |
| 880 | Direct fluorination of Twaron fiber and investigation of mechanical thermal and morphological properties of high density polyethylene and Twaron fiber composites. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3739-3749 | 2.9 | 11 |
| 879 | Augmenting the performance of acrylonitrile-butadiene-styrene plastics for low-noise dynamic applications. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1467-1475 | 2.9 | 3 |
| 878 | Durability of the wettability properties of a polypropylene film with a low-pressure CH ₄ /O ₂ plasma treatment. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 1201-1207 | 2.9 | 15 |
| 877 | Morphology and properties of silane-modified montmorillonite clays and clay/PBT composites. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 550-557 | 2.9 | 37 |
| 876 | Wettability investigations on the cellulosic surface of alfa fibers. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3322-3327 | 2.9 | 2 |
| 875 | Chemical structure, thermal properties, and free-surface energy parameters of coatings synthesized from poly(urethane-dimethylsiloxane) anionomers. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3488-3500 | 2.9 | 5 |
| 874 | Fluorinated polyhedral oligomeric silsesquioxanes (F-POSS). 2008 , 47, 4137-40 | | 156 |
| 873 | Phosphonic Acid Organic Monolayer/Sol-Gel Hafnium Oxide Hybrid Dielectrics for Low-Voltage Organic Transistors. 2008 , 20, 3697-3701 | | 129 |
| 872 | Fluorinated Polyhedral Oligomeric Silsesquioxanes (F-POSS). 2008 , 120, 4205-4208 | | 35 |
| 871 | Surface free energy of sulfur--revisited II. Samples solidified against different solid surfaces. 2008 , 319, 514-9 | | 9 |
| 870 | Surface free energy of sulfur--revisited I. Yellow and orange samples solidified against glass surface. 2008 , 319, 505-13 | | 53 |
| 869 | Interfacial tension of solid materials against dense carbon dioxide. 2008 , 320, 268-74 | | 17 |
| 868 | Vapor-phase self-assembled monolayers of aminosilane on plasma-activated silicon substrates. 2008 , 321, 235-41 | | 102 |
| 867 | Superhydrophobic cellulose nanocomposites. 2008 , 324, 42-6 | | 82 |

| | | |
|-----|---|-----|
| 866 | Hydrophobic monolayer preparation by Langmuir-Blodgett and chemical adsorption techniques. 2008 , 325, 228-35 | 13 |
| 865 | Gate insulators and interface effects in organic thin-film transistors. 2008 , 9, 70-76 | 20 |
| 864 | Anti-sticking treatment for a nanoimprint stamp. 2008 , 254, 2955-2959 | 23 |
| 863 | The influence of repellent coatings on surface free energy of glass plate and cotton fabric. 2008 , 254, 6467-6477 | 37 |
| 862 | Effects of oxygen plasma treatment power on surface properties of poly(p-phenylene benzobisoxazole) fibers. 2008 , 255, 3153-3158 | 39 |
| 861 | Block copolymers for corrosion protection of aluminium. 2008 , 11, 1055-1062 | 5 |
| 860 | The influence of viscoelastic thermal compression on the chemistry and surface energetics of wood. 2008 , 329, 82-86 | 27 |
| 859 | Staphylococcus epidermidis adhesion to He, He/O(2) plasma treated PET films and aged materials: contributions of surface free energy and shear rate. 2008 , 65, 257-68 | 42 |
| 858 | Surface functionalization of cellulose fibres and their incorporation in renewable polymeric matrices. 2008 , 68, 3193-3201 | 74 |
| 857 | Effect of increasing titanium dioxide content on bulk and surface properties of phosphate-based glasses. 2008 , 4, 523-34 | 79 |
| 856 | Wettability of carbon fibers modified by acrylic acid and interface properties of carbon fiber/epoxy. 2008 , 44, 494-503 | 111 |
| 855 | Adhesion characteristics of copper thin film deposited on PET substrate by electron cyclotron resonance metal organic chemical vapor deposition. 2008 , 202, 1839-1846 | 14 |
| 854 | Ceramic interface properties evaluation based on contact angle measurement. 2008 , 202, 2448-2452 | 25 |
| 853 | Thermal stability studies of atmospheric plasma deposited siloxane films deposited on Vycor glass. 2008 , 202, 4130-4136 | 19 |
| 852 | Chemical and morphological modification of polymers under a helium-oxygen dielectric barrier discharge. 2008 , 203, 830-834 | 41 |
| 851 | Effects of ITO surface modification using self-assembly molecules on the characteristics of OLEDs. 2008 , 108, 1233-6 | 12 |
| 850 | Characterization of organic polymer thin films deposited by rf magnetron sputtering. 2008 , 83, 564-568 | 18 |
| 849 | Crystallization and surface morphology of poly(vinylidene fluoride)/poly(methylmethacrylate) films by solution casting on different substrates. 2008 , 254, 2947-2954 | 54 |

| | | |
|-----|--|----|
| 848 | Forced wetting and dewetting of liquids on solid surfaces and their roles in offset printing. 2008 , 316, 62-69 | 15 |
| 847 | UV-curable low-surface-energy fluorinated poly(urethane-acrylate)s for biomedical applications. 2008 , 44, 2927-2937 | 46 |
| 846 | The influence of the nature of the surface oxide on the adhesive fracture energy of aluminium-bonded joints as measured by T-peel tests. 2008 , 28, 211-221 | 20 |
| 845 | Development of a new photocrosslinkable biodegradable bioadhesive. 2008 , 352, 172-81 | 62 |
| 844 | Custom-specific UV nanoimprint templates and life-time of antisticking layers. 2008 , 85, 897-901 | 21 |
| 843 | Homocomposites of chopped fluorinated polyethylene fiber with low-density polyethylene matrix. 2008 , 479, 125-135 | 26 |
| 842 | Molecular Aggregation State of Surface-grafted Poly{2-(perfluorooctyl)ethyl acrylate} Thin Film Analyzed by Grazing Incidence X-ray Diffraction. 2008 , 40, 854-860 | 30 |
| 841 | Application of nanotechnologies to organosilicate materials. 2008 , 34, 599-602 | |
| 840 | Surface properties of liquid reactive oligomers. 2008 , 1, 226-233 | 1 |
| 839 | A comparative study on the effect of VUV radiation in plasma SiO _x -coated polyimide and polypropylene films. 2008 , 61, 326-332 | 2 |
| 838 | Surface energy measurements of coated titanium dioxide pigment. 2008 , 62, 123-128 | 15 |
| 837 | Effects in surface free energy of sputter-deposited NbN _x films. 2008 , 107, 334-338 | 4 |
| 836 | Ion beam pretreatment of polymeric substrates for ITO thin film deposition. 2008 , 10, 941-949 | 17 |
| 835 | Zinc oxide growth morphology on self-assembled monolayer modified silver surfaces. 2008 , 24, 5375-81 | 14 |
| 834 | Enhancement of capillary forces by multiple liquid bridges. 2008 , 24, 8813-20 | 61 |
| 833 | Liquid crystal polymers for non-reconstructing fluorinated surfaces. 2008 , 18, 5382 | 23 |
| 832 | Bibliography. 205-221 | |
| 831 | Wetting of paracetamol surfaces studied by DMol3-COSMO calculations. 2008 , 34, 1013-1017 | 54 |

| | | |
|-----|--|-----|
| 830 | Characterization of Polymer Surfaces by Wetting and Electrokinetic Measurements [Contact Angle, Interfacial Tension, Zeta Potential. 2008 , 103-138 | 9 |
| 829 | Combinatorial materials research applied to the development of new surface coatings IX: an investigation of novel antifouling/fouling-release coatings containing quaternary ammonium salt groups. 2008 , 24, 185-200 | 104 |
| 828 | Photochemical Surface Modification of Polyethylene Films by New Azidobenzenesulfonamides. 2008 , 497, 323/[655]-334/[666] | 3 |
| 827 | Morphological evolution in dewetting polystyrene/polyhedral oligomeric silsesquioxane thin film bilayers. 2008 , 24, 4676-84 | 27 |
| 826 | Lotus effect in engineered zirconia. 2008 , 8, 988-96 | 61 |
| 825 | A micropatterned metal embedding process for the formation of metal lines in flexible electronics. 2008 , 18, 035017 | 4 |
| 824 | Fabrication and Characteristics of Self-Assembled Monolayer of Oligophenylene Ethylene and Its Application in OLEDs. 2008 , 491, 103-108 | |
| 823 | 2D-Sintering Kinetics of Two Model Fluids as Drops. 2008 , 41, 2096-2103 | 11 |
| 822 | Fluorinated DLC deposited by pulsed-DC plasma for antisticking surface applications. 2008 , 17, 1728-1732 | 21 |
| 821 | Effect of the polymer nature on the structural organization of lipid/polymer particle assemblies. 2008 , 112, 13812-22 | 39 |
| 820 | Microscale and Macroscale Aspects of Water Management Challenges in PEM Fuel Cells. 2008 , 29, 575-587 | 36 |
| 819 | The effect of chitosan on the in vitro biological performance of chitosan-poly(butylene succinate) blends. 2008 , 9, 1139-45 | 49 |
| 818 | Hydrophobic coatings for MEMS applications. 2008 , 18, 055030 | 25 |
| 817 | Effect of mercerization of flax fibers on wheat flour/flax fiber biocomposite with respect to thermal and tensile properties. 2008 , 15, 759-770 | 12 |
| 816 | Influence of chemical modifications on water-sorption and mechanical properties of Agave fibres. 2008 , 39, 29-45 | 101 |
| 815 | Effect of kidney-type and circular cross sections on carbon fiber surface and composite interface. 2008 , 39, 301-307 | 37 |
| 814 | Direct fluorination of Twaron fiber and the mechanical, thermal and crystallization behaviour of short Twaron fiber reinforced polypropylene composites. 2008 , 39, 825-833 | 25 |
| 813 | Chitosan coating surface properties as affected by plasticizer, surfactant and polymer concentrations in relation to the surface properties of tomato and carrot. 2008 , 22, 1452-1459 | 83 |

| | | |
|-----|--|-----|
| 812 | Micropatterned atmospheric pressure discharge surface modification of fluorinated polymer films for mammalian cell adhesion and protein binding. 2008 , 92, 547-555 | 6 |
| 811 | Structural and chemical characterization of fluorinated amorphous carbon films (a-C:F) as a liquid crystal alignment layer. 2008 , 17, 2019-2024 | 10 |
| 810 | Biocompatibility evaluation of DLC-coated Si3N4 substrates for biomedical applications. 2008 , 17, 878-881 | 67 |
| 809 | Structure and properties of soy protein/poly(butylene succinate) blends with improved compatibility. 2008 , 9, 3157-64 | 83 |
| 808 | Intrinsically antibacterial materials based on polymeric derivatives of eugenol for biomedical applications. 2008 , 9, 2530-5 | 52 |
| 807 | Electrodeposited polymer films with both superhydrophobicity and superoleophilicity. 2008 , 10, 4322-6 | 54 |
| 806 | Plasma Treatment of WoodBlastic Composites to Enhance Their Adhesion Properties. 2008 , 22, 2025-2037 | 54 |
| 805 | . 2008 , 31, 404-409 | 2 |
| 804 | Effects in Surface Free Energy of Sputter-Deposited TaNx Films. 2008 , 31, 394-398 | 4 |
| 803 | Synthesis and properties of perfluorinated conjugated polymers based on polyethylenedioxythiophene, polypyrrole, and polyfluorene. Toward surfaces with special wettabilities. 2008 , 24, 9739-46 | 46 |
| 802 | Post-hydrophilic treatment free plastic biochip fabrication method using polyurea film. 2008 , | |
| 801 | Friction Force Measurements and Modeling in Hard Disk Drives. 2008 , 44, 157-162 | 8 |
| 800 | Nanostructured films of amphiphilic fluorinated block copolymers for fouling release application. 2008 , 24, 13138-47 | 132 |
| 799 | Effect of Amphiphilic Additives on the Behavior of Water-Based Acrylic Pressure-Sensitive Adhesives during Paper Recycling. 2008 , 47, 2612-2617 | 2 |
| 798 | What is the real value of chitosan's surface energy?. 2008 , 9, 610-4 | 56 |
| 797 | Effect of nanoparticle size on sessile droplet contact angle. 2008 , 103, 084315 | 75 |
| 796 | Nanoscale structuring of semiconducting molecular blend films in the presence of mobile counterions. 2008 , 24, 7316-22 | 26 |
| 795 | Surface wrinkling of an elastic film: effect of residual surface stress. 2008 , 24, 13627-31 | 27 |

| | | |
|-----|--|----|
| 794 | Comparison of Low- and Atmospheric-Pressure Radio Frequency Plasma Treatments on the Surface Modification of Poly(methyl methacrylate) Plates. 2008 , 112, 4712-4718 | 28 |
| 793 | Molecular stacking of discotic liquid crystals on the surfaces treated by O ₂ plasma. 2008 , | 4 |
| 792 | Direct Bonding of Ferroelectrics. 2008 , 373, 51-68 | |
| 791 | Surface Modification of Low Density Polyethylene (LDPE) Film Using Corona Discharge Plasma for Technological Applications. 2008 , 22, 1425-1442 | 21 |
| 790 | Wetting Measurements for Identification of Specific Functional Groups Responsible for Adhesion. 2008 , 84, 1007-1022 | 8 |
| 789 | Improvement of Adhesion Between Liquid Crystalline Polyester Films by Plasma Treatment. 2008 , 22, 1985-2002 | 3 |
| 788 | General and Historical Introduction. 2008 , 1-9 | 4 |
| 787 | Highly filled natural CaCO ₃ composites, III. Filler surface treatment and its structure. 2008 , 15, 49-74 | 1 |
| 786 | Surface Free Energy and Wettability Determination of Various Fullerene Derivative Films on Amorphous Carbon Wafer. 2008 , 47, 5730-5733 | 13 |
| 785 | Synthesis by plasma-enhanced chemical-vapor deposition and characterization of siliconlike films with hydrophobic functionalities for improved long-term geometric stability of fiber-reinforced polymers. 2008 , 23, 1042-1050 | 5 |
| 784 | Dispersive Evaluation and Self-Sensing of Single Carbon Fiber/CNT-Epoxy Composites using Electro-Micromechanical Techniques. 2008 , 1075, 1 | |
| 783 | Durable diamond-like carbon templates for UV nanoimprint lithography. 2008 , 19, 105302 | 13 |
| 782 | Enlarged bilayer interfaces from liquid-liquid dewetting for photovoltaic applications. 2008 , | 1 |
| 781 | Plasma fluorination of carbon-based materials for imprint and molding lithographic applications. 2008 , 93, 153105 | 19 |
| 780 | Textile fiber morphology, structure and properties in relation to friction. 2008 , 3-36 | 4 |
| 779 | Influence of Ar and NH ₃ Plasma Treatment on Surface of Poly(monochloro-para-xylene) Dielectric Films Processed in Oxygen Plasma. 2008 , 47, 6970-6973 | 10 |
| 778 | Effects of Added Metallic Elements in Ag-Alloys on Properties of Indium Tin-Oxide/Ag-Alloy/Indium Tin-Oxide Transparent Conductive Multilayer System. 2008 , 47, 6337-6342 | 9 |
| 777 | Contact angles in a thermal imprint process. 2008 , 26, 2416-2420 | 7 |

| | | |
|-----|---|----|
| 776 | Effects of Mechanical Rubbing on Surface Tension of Polyimide Thin Films. 2008 , 47, 1651-1656 | 28 |
| 775 | Effects of Plasma Process Induced Damages on Organic Gate Dielectrics of Organic Thin-Film Transistors. 2008 , 47, 5672-5675 | 21 |
| 774 | Study of Friction and Adhesion by Atomic Force Microscope and Their Relationship to Surface Energy for the Lubricated Disk. 2008 , 44, 4537-4540 | |
| 773 | Forces between Polymer Surfaces and Self-Assembled Monolayers. 2008 , 45, 884-891 | 10 |
| 772 | Interface modification and bonding of lithium tantalate crystals. 2008 , 92, 052903 | 5 |
| 771 | Property evaluations of polymers used as housing material for passivation of electronic devices. 2008 , | 1 |
| 770 | Surface parameters modification by multilayer coatings deposition for biomedical applications. 2008 , 113, 012029 | 2 |
| 769 | Influence of Ion Irradiation on the Surface Properties of Silver-Coated Flexible PDMS Polymeric Films. 2022 , 52, 1 | 4 |
| 768 | Enhancement of thermoelectric and mechanical properties of thermoplastic vulcanizates (TPVs) with hydroxylated graphene by dynamic vulcanization. 2021 , | 1 |
| 767 | Delicately Controlled Polymer Orientation for High-Performance Non-Fullerene Solar Cells with Halogen-Free Solvent Processing. 2021 , 13, 57654-57663 | 3 |
| 766 | Polymerized Small-Molecule Acceptor as an Interface Modulator to Increase the Performance of All-Small-Molecule Solar Cells. 2102394 | 1 |
| 765 | Properties and Colorimetric Performance of Screen-Printed Thermochromic/UV-Visible Fluorescent Hybrid Ink Systems. 2021 , 11, 11414 | |
| 764 | An Integrated Study of Water Weakening and Fluid Rock Interaction Processes in Porous Rocks: Linking Mechanical Behavior to Surface Properties. 2021 , 11, 11437 | 0 |
| 763 | Surface Acoustic Wave Mitigation of Precipitate Deposition on a Solid Surface-An Active Self-Cleaning Strategy. 2021 , | 0 |
| 762 | Effect of Perfluorinated Side-Chain Length on the Morphology, Hydrophobicity, and Stability of Xerogel Coatings. 2021 , | 0 |
| 761 | A hydrophobic antifouling surface coating on bioprosthetic heart valves for enhanced antithrombogenicity. 2021 , | 1 |
| 760 | Joint influence of γ irradiation and high temperature shear grinding on the IR spectra and surface energy properties of polyethylene. 2021 , 237, 124342 | 0 |
| 759 | Surface and Interface Investigations of Matrix-Fillers in Heterogeneous Amorphous Semiconductors.. 2021 , 6, 34075-34085 | |

| | | |
|-----|--|---|
| 758 | Ag/Polydopamine Coated Textile for Enhanced Liquid/Liquid Mixtures Separation and Dye Removal. | |
| 757 | Friction Dynamics of Wood Coated with Vegetable Oil. 2021 , 70, 1777-1782 | |
| 756 | Fabrication of cerium oxide films with thickness and hydrophobicity gradients. 2022 , 430, 127985 | 0 |
| 755 | Effect of the Surface Hydrophobicity/Morphology/Functionality of Nanoplastics on Their Homoaggregation in Seawater. | 0 |
| 754 | Comparative analysis of thermal aging behavior and comprehensive performance of high viscosity asphalt (HVA) from cohesion, adhesion and rheology perspectives. 2022 , 317, 125982 | 2 |
| 753 | Surface, structural, and thermal properties of polydimethylsiloxane-based polyurethanes and their blends with thermoplastic polyurethane elastomer. 1 | 0 |
| 752 | Synthesis, Properties and Aging of ICP-CVD SiC _x N _y :H Films Formed from Tetramethyldisilazane. 2022 , 12, 80 | 1 |
| 751 | Novel polyurethane network/organoclay nanocomposites: Microstructure and physicochemical properties. 2022 , 163, 106664 | 1 |
| 750 | Estimation of the surface free energy and moisture susceptibility of asphalt mastic and aggregate system containing salt storage additive. 2022 , 318, 125814 | 2 |
| 749 | Interfacial, electrical, and mechanical properties of MWCNT in polyurethane nanocomposite coating via 2D electrical resistance mapping for aircraft topcoat. 2022 , 163, 106667 | 2 |
| 748 | Modified epoxy resin with SEBS-g-MAH to fabricate crack-free and robust hydrophobic coatings on the surface of PP/SEBS matrix. 2022 , 28, 101662 | 0 |
| 747 | A novel and facile preparation of Superhydrophilic/Superoleophobic nanofilter using carbon nitride nanosheet for W/O emulsion separation. 2022 , 284, 120279 | 1 |
| 746 | Wetting properties and surface energy of four different amorphous alloys compared to the corresponding crystalline alloys. 2022 , 278, 125674 | 0 |
| 745 | Corrosion resistance enhancement and superhydrophobic surface realization of flake magnetic particles with organic polyolefin copolymer modification. 2022 , 30, 103111 | |
| 744 | Mitigating membrane wetting in the treatment of unconventional oil and gas wastewater by membrane distillation: A comparison of pretreatment with omniphobic membrane. 2022 , 645, 120198 | 3 |
| 743 | In-situ self-organized anode interlayer enables organic solar cells with simultaneously simplified processing and greatly improved efficiency to 17.8%. 2022 , 93, 106814 | 8 |
| 742 | Radiation-stimulated oxidation of the plastic surface in a water-air flow. 2022 , 192, 109918 | 0 |
| 741 | Influence of substituents of Perylenebisimides on the surface energy and wettability: A systematic structure-property relationship analysis. 2022 , 199, 110044 | |

| | | |
|-----|--|----|
| 740 | Robust reduced graphene oxide composite membranes for enhanced anti-wetting property in membrane distillation. 2022 , 526, 115549 | 0 |
| 739 | Effects of Kraft lignin and corn cob agro-residue on the properties of injected-moulded biocomposites. 2022 , 177, 114421 | 1 |
| 738 | Sequential stacking of a thin BHJ layer acting as a morphology regulator for efficiency enhancement in non-fullerene ternary solar cells. 2022 , 433, 134337 | 0 |
| 737 | Impact of surface free energy on electrostatic extraction of particles from a bed.. 2021 , 611, 617-628 | 1 |
| 736 | High-performance heptacyclic ladder-type heteroarene-based electron acceptors enabled by bulky neighboring side-chains and end-group fluorination. 2022 , 432, 134393 | 0 |
| 735 | Mechanically robust multifunctional antifogging coating on transparent plastic substrates. 2022 , 580, 152307 | 0 |
| 734 | A release of Ti-ions from nanostructured titanium oxide surfaces. 2022 , 29, 101699 | 0 |
| 733 | Recent advances in quartz crystal microbalance with dissipation monitoring: Phase transitions as descriptors for specific lipid membrane studies. 2021 , 107-128 | |
| 732 | Orientation Control of the Microphase-separated Nanostructures of Block Copolymers on Polyimide Substrates. 2021 , 34, 439-448 | |
| 731 | Misvak, Borik Asit ve Porselen Atıktakviyeli Polyester Matrisli Kompozitler. | |
| 730 | Citric Acid in the Passivation of Titanium Dental Implants: Corrosion Resistance and Bactericide Behavior.. 2022 , 15, | 1 |
| 729 | The Role of Phase Migration of Carbon Nanotubes in Melt-Mixed PVDF/PE Polymer Blends for High Conductivity and EMI Shielding Applications.. 2022 , 27, | 4 |
| 728 | Amphiphilic marine coating systems of self-stratified PDMS-PEG surfaces with an epoxy-polyurethane matrix. 1 | 0 |
| 727 | Engineering of the alkyl chain branching point on a lactone polymer donor yields 17.81% efficiency. | 6 |
| 726 | Separation of Multi-Material Polymer Combinations Produced by Joining Using Pin-like Structures. 2022 , 6, 13 | 0 |
| 725 | Fabrication of Functional Polycatechol Nanoparticles.. 2022 , 11, 251-256 | 10 |
| 724 | A SiO ₂ /pHEMA-Based Polymer-Infiltrated Ceramic Network Composite for Dental Restorative Materials. 2022 , 6, 17 | 0 |
| 723 | Research and development of high-performance polymeric materials including polyimides and fluoro-polyimides and their industrialized products. 2022 , 266-325 | |

| | | |
|-----|---|---|
| 722 | Highly stretchable transparent bar coated Ag NW/PEDOT:PSS hybrid electrode for wearable and stretchable devices.. 2022 , 12, 3055-3061 | 2 |
| 721 | Influence of Selected Ophthalmic Fluids on the Wettability and Hydration of Hydrogel and Silicone Hydrogel Contact Lenses-In Vitro Study.. 2022 , 15, | 1 |
| 720 | Exploiting Molecular Dynamics in Composite Coatings to Design Robust Super-Repellent Surfaces.. 2022 , e2104331 | 4 |
| 719 | Toward the Replacement of Long-Chain Perfluoroalkyl Compounds: Perfluoropolyether-Based Low Surface Energy Grafted Nanocoatings. 2022 , 4, 980-986 | 0 |
| 718 | Durability of Lubricated Icephobic Coatings under Various Environmental Stresses.. 2022 , 14, | 3 |
| 717 | Micro/Nano-Structured MetalOrganic/Inorganic Hybrid Coatings on Biodegradable Zn for Osteogenic and Biocompatible Improvement. 2101852 | 1 |
| 716 | Enhancements of Thermal-Electric and Mechanical Properties of Thermoplastic Vulcanizates with Multi-Walled Carbon Nanotubes by Dynamic Vulcanization. 71, 151-162 | |
| 715 | Significantly Enhanced Crystallization of Poly(ethylene succinate-1,2-propylene succinate) by Cellulose Nanocrystals as an Efficient Nucleating Agent.. 2022 , 14, | 1 |
| 714 | A Cross-laboratory Comparison Study of Titan Haze Analogs: Surface Energy. 2022 , 3, 2 | 0 |
| 713 | Highly Efficient One-Step Protein Immobilization on Polymer Membranes Supported by Response Surface Methodology.. 2021 , 9, 804698 | 0 |
| 712 | In-situ growth of hierarchical CuO@Cu ₃ P heterostructures with transferable active centers on copper foam substrates as bifunctional electrocatalysts for overall water splitting in alkaline media. 2022 , 47, 9593-9605 | 1 |
| 711 | Wettability modification of polystyrene surface by cold atmospheric pressure plasma jet. 2022 , 300, 103-110 | 2 |
| 710 | Preaggregation in Solution Producing Multiple Crystal Forms of Y6 Corresponding to a Variation of Miscibility in PM6-Based Ternary Solar Cells. 2022 , 5, 1193-1204 | 2 |
| 709 | Superior Corrosion and UV-Resistant Highly Porous Poly(vinylidene fluoride-co-hexafluoropropylene)/alumina Superhydrophobic Coating. 2022 , 4, 1358-1367 | 1 |
| 708 | Correlation between Pitch Impregnation Pressure and Pore Sizes of Graphite Block.. 2022 , 15, | 0 |
| 707 | Research and development of high-performance and thermomechanically stable Ceramer (polymers/ceramic composites materials) and 'Ceramide' nanocomposites material formulations based on fluoro-polyimides for the advanced industrial applications. 2022 , 517-585 | 1 |
| 706 | Enhanced Field Emission from Ultrananocrystalline Diamond-Decorated Carbon Nanowalls Prepared by a Self-Assembly Seeding Technique.. 2022 , | 1 |
| 705 | Low-cost bacterial nanocellulose-based interdigitated biosensor to detect the p53 cancer biomarker. 2022 , 112676 | 2 |

| | | | |
|-----|--|-----|----|
| 704 | Screening of spinning oils for melt-spun lignin-based carbon fiber precursors. <i>Journal of Applied Polymer Science</i> , 52134 | 2.9 | 0 |
| 703 | Investigating on Polymerization Process and Interaction Mechanism of Thermosetting Polyurethane Modified Asphalt. | | |
| 702 | Fabrication of PLA/PCL/Graphene Nanoplatelet (GNP) Electrically Conductive Circuit Using the Fused Filament Fabrication (FFF) 3D Printing Technique.. 2022 , 15, | | 3 |
| 701 | Adhesive-Free Adhesion between Plasma-Treated Glass-Cloth-Containing Polytetrafluoroethylene (GC-PTFE) and Stainless Steel: Comparison between GC-PTFE and Pure PTFE.. 2022 , 14, | | 0 |
| 700 | Photoinduced immobilization of 2-methacryloyloxyethyl phosphorylcholine polymers with different molecular architectures on a poly(ether ether ketone) surface.. 2022 , | | 2 |
| 699 | Toughening and reinforcing waste polypropylene with POE / nano-SiO ₂ under elongational flow. <i>Journal of Applied Polymer Science</i> , 52151 | 2.9 | |
| 698 | Sustainable Superhydrophobic Surface with Tunable Nanoscale Hydrophilicity for Water Harvesting Applications. | | 0 |
| 697 | Phi 6 Bacteriophage Inactivation by Metal Salts, Metal Powders, and Metal Surfaces.. 2022 , 14, | | 4 |
| 696 | Mitigation of Mineral Deposition in Carbonate and Sandstone Rocks Using Green Scale Inhibitors.. 2022 , | | 2 |
| 695 | Cellulose Nanocrystals-mediated Phase Morphology of PLLA/TPU Blends for 3D Printing. 2022 , 40, 299-309 | | |
| 694 | Sustainable Superhydrophobic Surface with Tunable Nanoscale Hydrophilicity for Water Harvesting.. 2021 , | | 1 |
| 693 | Release properties of plasma polymeric coated polymer films and adhesive strength of transferred polyurethane coatings to fiber-reinforced thermosets. 1-11 | | |
| 692 | New way to obtain the poly(L-lactide-co-D,L-lactide) blend filled with nanohydroxyapatite as biomaterial for 3D-printed bone-reconstruction implants. 2022 , 165, 110997 | | 0 |
| 691 | Characteristics of methane adsorption/desorption heat and energy with respect to coal rank. 2022 , 99, 104445 | | 14 |
| 690 | Laser-based surface modification and its influence on the topography and wettability of a new additively manufactured aluminum-based alloy. 2022 , | | |
| 689 | Balancing the Voc-Jsc trade-off in polymer solar cells based on 2-(benzoxazol-2-yl)-acetonitrile end-capped small-molecule acceptors through asymmetry and halogenation of end groups. 2022 , 102, 106446 | | 2 |
| 688 | Fouling resistant and performance tunable ultrafiltration membranes via surface graft polymerization induced by atmospheric pressure air plasma. 2022 , 286, 120490 | | 5 |
| 687 | Molecular Dynamics Study on the Effect of Mineral Composition on the Interface Interaction between Rubberized Asphalt and Aggregate. 2022 , 34, | | 3 |

| | | |
|-----|---|---|
| 686 | Morphology control of trimer particles via one-step co-precipitation and controlled phase separation. 2022 , 251, 117432 | 1 |
| 685 | From Raw To Finished Cotton Characterization By Interface Phenomena. 2022 , | |
| 684 | New Epoxy Thermosets Organic-Inorganic Hybrid Nanomaterials Derived from Imidazolium Ionic Liquid Monomers and POSS.. 2022 , 12, | |
| 683 | Evaluation of the adhesion property and moisture stability of rubber modified asphalt mixture incorporating waste steel slag. 1-23 | 1 |
| 682 | High virucidal potential of novel ceramic-metal composites fabricated via hybrid selective laser melting and spark plasma sintering routes.. 2022 , 120, 1-14 | 1 |
| 681 | A switchable zwitterionic ester and capsaicin copolymer for multifunctional marine antibiofouling coating. 2022 , 135072 | 1 |
| 680 | Investigation on the intrinsic wetting thresholds of liquids by measuring the interaction forces of self-assembled monolayers. 1 | 0 |
| 679 | Modification of Indium Tin Oxide Surface with HCl for Source/Drain Electrodes in Organic Thin Film Transistors. 2101487 | 2 |
| 678 | UV Curing Behavior of Five Heteroleptic POSS Bearing Methacrylate and Glycidyl Groups and Evaluation of Their Potential for Hard Yet Flexible Coatings. | 0 |
| 677 | Alkyl side chain engineering enables high performance as-cast organic solar cells of over 17% efficiency. 2022 , | 1 |
| 676 | Determination and optimisation of Resonant Acoustic Mixing (RAM) efficiency in Polymer Bonded eXplosive (PBX) processing. 2022 , 173, 108806 | 0 |
| 675 | Kaolinite Thin Films Grown by Pulsed Laser Deposition and Matrix Assisted Pulsed Laser Evaporation.. 2022 , 12, | 0 |
| 674 | Influence of different zirconia surface treatments on biofilm formation in vitro and in situ.. 2022 , | 1 |
| 673 | Stimuli-responsive wettability quartz sand filter material for efficient separation of oil/water mixture and controllable demulsification of oil/water emulsion. 2022 , 46, 102596 | 2 |
| 672 | Squid inspired elastomer marine coating with efficient antifouling strategies: Hydrophilized defensive surface and lower modulus.. 2022 , 213, 112392 | 3 |
| 671 | Greaseproof, hydrophobic, and biodegradable food packaging bioplastics from C6-fluorinated cellulose esters. 2022 , 128, 107562 | 3 |
| 670 | Characteristics of respiratory microdroplet nuclei on common substrates.. 2022 , 12, 20210044 | 0 |
| 669 | Scaling Mitigation Using an Integrated Zeolites Submerged Vacuum Membrane Distillation System. | |

- 668 Deformation-Induced Delamination of Photovoltaic Modules by Foaming Ethylene-Vinyl Acetate with Supercritical CO₂.
- 667 A Switchable Zwitterionic Ester and Capsaicin Copolymer for Multifunctional Marine Antibiofouling Coating.
- 666 Trifluoro alkyl side chains in the non-fullerene acceptors to optimize the phase miscibility and vertical distribution of organic solar cells. 1
- 665 Apatite formation on electrochemically modified surface of hafnium metal in simulated body environment. **2022**, 10, 215-222
- 664 Environmentally friendly one-step coating of antibacterial urinary catheters with silver nanoparticle impregnated layer. **2022**, 12, 80-89 0
- 663 Improving charge transport and reducing non-radiative energy loss via a nonacyclic carbazole-based third component for over 18% efficiency polymer solar cells. **2022**, 10, 7090-7098 3
- 662 Soft stretchable conductive nanocomposites for biointegrated electronics. **2022**,
- 661 Polyamide Nanofiltration Membrane Fine-Tuned Via Mixed Matrix Ultrafiltration Support to Maximize the Sieving Selectivity of Li⁺/Mg²⁺ and Cl⁻/SO₄²⁻
- 660 Change in local conformation of polymer chains at film surface attached to solid surface.. **2022**, 3
- 659 Interfacial Engineering of Particulate & Surfactant Systems for Enhanced Performance in Industrial Applications. **2022**,
- 658 Effect of surface free energy of organic underlayer on dissolution kinetics of poly(4-hydroxystyrene) film in tetramethylammonium hydroxide aqueous developer. 0
- 657 Vertical Alignment of Liquid Crystals on Phenylphenoxymethyl-Substituted Polystyrene-PS Derivatives Structurally Similar to LC Molecules.. **2022**, 14, 1
- 656 Water Uptake in Epoxy Ionic Liquid Free Film Polymer by Gravimetric Analysis and Comparison with Nondestructive Dielectric Analysis.. **2022**, 12, 0
- 655 Effect of PVOH/PLA + Wax Coatings on Physical and Functional Properties of Biodegradable Food Packaging Films.. **2022**, 14, 1
- 654 Toward Reduced Interface Contact Resistance: Controllable Surface Energy of SbTe Films via Tuning the Crystallization and Orientation.. **2022**, 1
- 653 Bitumen Binders Modified with Sulfur/Organic Copolymers.. **2022**, 15, 1
- 652 Periodontal Pathogen Adhesion, Cytotoxicity, and Surface Free Energy of Different Materials for an Implant Prosthesis Screw Access Hole.. **2022**, 58, 1
- 651 Enhanced Electromagnetic Interference Shielding Properties of Immiscible Polyblends with Selective Localization of Reduced Graphene Oxide Networks.. **2022**, 14, 1

- 650 High-Efficiency Sequential-Cast Organic Solar Cells Enabled by Dual Solvent-Controlled Polymer Aggregation. 2200076 2
- 649 Preparation and characterization of cationic waterborne polyurethanes containing a star-branched polydimethylsiloxane. 1
- 648 Robust, Reusable, and Antioxidative Supramolecular Adhesive to Inorganic Surfaces Based on Water-Stimulated Hydrogen Bonding. **2022**, 4, 1586-1594 0
- 647 Antimicrobial TiN-Ag Coatings in Leather Insole for Diabetic Foot.. **2022**, 15, 0
- 646 Nitrites Detection with Sensors Processed via Matrix-Assisted Pulsed Laser Evaporation.. **2022**, 12, 0
- 645 Clustering Transition in Thermo-Responsive Micropillars. 2200023 0
- 644 The effect of pigment volume concentration on self-stratification and physico-mechanical properties of solvent-free silicone/epoxy coating systems. 1
- 643 Structure and Wettability Engineering of Polycrystalline Diamond Films Treated by Thermally Oxidation, Second Growth and Surface Termination. **2022**, 39, 036801 0
- 642 Reassessing the Significance of Reduced Aggregation and Crystallinity of Naphthalene Diimide-Based Copolymer Acceptors in All-Polymer Solar Cells. 1
- 641 Spontaneously Induced Hierarchical Structure by Surface Energy in Novel Conjugated Polymer-Based Ultrafast-Response Organic Photodetectors. 2102607 1
- 640 Accelerated Endothelialization of Nanofibrous Scaffolds for Biomimetic Cardiovascular Implants.. **2022**, 15, 1
- 639 Significance of Siloxane Functionalized Side-Chain Conjugated Polymer Donor: Optimization of Active Layer Morphology Toward the Stable All-Polymer Solar Cells. **2022**, 30, 183-189 2
- 638 In Situ Growth Mechanism for High-Quality Hybrid Perovskite Single-Crystal Thin Films with High Area to Thickness Ratio: Looking for the Sweet Spot.. **2022**, e2104788 2
- 637 Role of Surface Energy of Nanoparticle Stabilizers in the Synthesis of Microspheres via Pickering Emulsion Polymerization.. **2022**, 12, 2
- 636 The physical properties of the stick insect pad secretion are independent of body size. 0
- 635 Nickel-Iron Layered Double Hydroxide Dispersions in Ethanol Stabilized by Acetate Anions.. **2022**, 0
- 634 Biological Activity of Pulcherrimin from the Clade.. **2022**, 27, 1
- 633 Improving thermal conductivity of polyethylene/polypropylene by styrene-ethylene-propylene-styrene wrapping hexagonal boron nitride at the phase interface. 1 9

| | | |
|-----|---|---|
| 632 | Adsorption performance of human-like collagen by alkali-modified Kapok fiber: a kinetic, equilibrium, and mechanistic investigation. 2022 , 29, 3177 | 0 |
| 631 | Mechanical performance of modified Polypropylene/Polyamide matrix reinforced with treated recycled carbon fibers for lightweight applications. 2022 , 29, 1 | 1 |
| 630 | Scission of 2D Inorganic Nanosheets via Physical Adsorption on a Nonflat Surface. 2102591 | 0 |
| 629 | Optimization of plotter printing for sub-terahertz metallic metasurfaces fabrication on ultra-thin substrate. 2022 , 32, 055002 | 1 |
| 628 | Surface wetting and contact angle: basics and characterisation. 2022 , 13, 3-35 | |
| 627 | Tuning the formation of E-phase poly(9,9-di-n-octylfluorenyl-2,7-diyl) via nano-confinement and polystyrene blending for improved photocatalysis. 2022 , | |
| 626 | Silver Nanowires and Silanes in Hybrid Functionalization of Aramid Fabrics.. 2022 , 27, | 0 |
| 625 | Adhesion of Oral Bacteria to Commercial d-PTFE Membranes: Polymer Microstructure Makes a Difference.. 2022 , 23, | 2 |
| 624 | Robust super-hydrophobic inorganic nanoparticles modified layered structure Si ₂ N ₂ O membrane for membrane distillation. 2022 , | 0 |
| 623 | Durable siloxane-polyurethane coatings for mitigating freshwater mussel fouling.. 2022 , 1-11 | 1 |
| 622 | Physicochemical properties of SnTe thin films dependent on compositional ratios. | |
| 621 | Compatibilizing and functionalizing polypropylene/polyethylene by in-situ exfoliating hexagonal boron nitride at interface. 2022 , 221, 109354 | 1 |
| 620 | Influence of novel long-chain active composite rejuvenators on interfacial adhesion between aged SBS modified asphalt and aggregate. 2022 , 328, 127108 | 1 |
| 619 | Chemical and physical effects of polyurethane-precursor-based reactive modifier on the low-temperature performance of bitumen. 2022 , 328, 127055 | 2 |
| 618 | Infiltration of direct-spun carbon nanotube articles. 2022 , 221, 109360 | 1 |
| 617 | Enhanced electromagnetic interference shielding effectiveness of polypropylene/hybrid metallic fillers composite materials by coalescence-driven guided electrical percolation. 2022 , 246, 124740 | 1 |
| 616 | Bioinspired Polysaccharide-Derived Zwitterionic Brush-like Copolymer as An Injectable Biolubricant for Arthritis Treatment.. 2022 , e2200090 | 3 |
| 615 | Morphological study of isotactic polypropylene thin films on different substrates using grazing incidence wide-angle X-ray diffraction. 2022 , 245, 124665 | |

| | | |
|-----|---|---|
| 614 | Tribological Properties and Physiochemical Analysis of Polymer-Ceramic Composite Coatings for Bone Regeneration. 2022 , 10, 58 | 0 |
| 613 | Formaldehyde-Free Synthesis of Fully Bio-Based Multifunctional Bisbenzoxazine Resins from Natural Renewable Starting Materials. | 6 |
| 612 | Enabling Tunable Water-Responsive Surface Adaptation of PDMS via Metal-Ligand Coordinated Dynamic Networks. 2200430 | 1 |
| 611 | Surface Reconstruction of Fluoropolymers in Liquid Media.. 2022 , 38, 4657-4668 | |
| 610 | High barrier semi-crystalline polyesters involving nature occurring pyridine structure towards sustainable food packaging. 2022 , 247, 124790 | |
| 609 | Characterization in Relevant Icing Conditions of Two Superhydrophobic Coatings. 2022 , 12, 3705 | 1 |
| 608 | Enhancement of oil resistance of cellulose packaging paper for food application by coating with materials derived from natural polymers. 2022 , 111039 | 0 |
| 607 | On the chemistry, photocatalytic, and corrosion behavior of co-sputtered tantalum and titanium oxynitride thin films. 2022 , 153260 | |
| 606 | A versatile hydrogel platform for oil/water separation, dye adsorption, and wastewater purification. 1 | 0 |
| 605 | Blending polar rubber with polyurethane to construct self-healing rubber with multiple hydrogen bond networks. 2022 , 246, 124768 | 0 |
| 604 | Experimental study on aluminium to tungsten carbide/polycrystalline diamond (WC/PCD) adhesive bonding for milling tools. 2022 , 114, 103121 | 2 |
| 603 | Mechanical Upcycling Immiscible Polyethylene Terephthalate-Polypropylene Blends with Carbon Fiber Reinforcement. | 2 |
| 602 | Osteogenic and angiogenic bioactive collagen entrapped calcium/zinc phosphates coating on biodegradable Zn for orthopedic implant applications. 2022 , 212792 | 1 |
| 601 | Eco-friendly laccase and cellulase enzymes pretreatment for optimized production of high content lignin-cellulose nanofibrils.. 2022 , | 0 |
| 600 | Ag/polydopamine-coated textile for enhanced liquid/liquid mixtures separation and dye removal.. 2022 , 25, 104213 | 0 |
| 599 | Improving adhesion between acrylonitrile-butadiene rubber and glass fiber cord by covalent bonding and secondary polar interactions. 1 | 0 |
| 598 | Magnetic polypropylene composites with selectively localized reactive nano-Fe ₃ O ₄ in toughener of POE-g-MAH: Towards super toughness, high flexibility and balanced strength. 2022 , 217, 110607 | |
| 597 | Fundamentals and utilization of solid/ liquid phase boundary interactions on functional surfaces.. 2022 , 303, 102657 | 1 |

| | | |
|-----|--|---|
| 596 | Stability of acid in crude oil emulsion based on interaction energies during well stimulation using HCl acid. 2022 , 212, 110317 | 1 |
| 595 | Deformation-induced delamination of photovoltaic modules by foaming ethylene-vinyl acetate with supercritical CO ₂ . 2022 , 59, 101933 | 0 |
| 594 | Covalent treatment of carbon fibre with functionalized MoS ₂ nanosheets using thiol-ene click chemistry: The improvement of interface in multiscale epoxy composites. 2022 , 236, 109821 | 0 |
| 593 | Solid solution effect boosts the photovoltaic performance of PCDTBT-based organic solar cells. 2022 , 104, 106489 | 0 |
| 592 | Antimicrobial efficacy and topographical alterations of photodynamic therapy versus conventional antimicrobials on contaminated zirconia ceramic in vitro.. 2022 , 102804 | 1 |
| 591 | Surface anchored Ag nanoparticles prepared by gas aggregation source: Antibacterial effect and the role of surface free energy. 2022 , 30, 101818 | 0 |
| 590 | Influencing surface phenomena by Au diffusion in buffered TiO ₂ -Au thin films: Effects of deposition and annealing processing. 2022 , 30, 101811 | 0 |
| 589 | The effect of surface chemistry on anti-soiling properties of transparent perfluoroalkyl and alkyl modified silica coatings. 2022 , 30, 101824 | 1 |
| 588 | Surface treatment of biopolymer films Polylactic acid and Polyhydroxybutyrate with angular changing oxygen plasma - More than just gradual purification. 2022 , 30, 101856 | 0 |
| 587 | Novel graphene-based ternary nanocomposite coatings as ecofriendly antifouling brush surfaces. 2022 , 167, 106803 | 0 |
| 586 | Friction and transfer behavior of alumina nanoparticle-reinforced carbon fiber/polyoxymethylene composites in the deep sea environment. 2022 , 170, 107516 | 0 |
| 585 | Unveiling the role of filler surface energy in enhancing thermal conductivity and mechanical properties of thermal interface materials. 2022 , 157, 106904 | 3 |
| 584 | Annealing effect on the structure, magnetic characteristic, surface energy and optical property of Co ₄₀ Fe ₄₀ W ₁₀ B ₁₀ thin films. 2022 , 259, 168985 | 0 |
| 583 | Amphiphobic polytetrafluoroethylene membrane with a ring-on-string-like micro/nano structure for air purification. 2022 , 652, 120476 | 1 |
| 582 | Removal of protein, histological dye and tetracycline from simulated bioindustrial wastewater with a dual pore size PPSU membrane.. 2022 , 431, 128525 | 1 |
| 581 | Friction process analysis of carbon fiber-carbon nanotube multiscale hybrid reinforced epoxy with excellent tribological performance. 2022 , 171, 107559 | 1 |
| 580 | Linear cross-linkers enabling photothermally cured hole transport layer for high-performance quantum dots light-emitting diodes with ultralow efficiency roll-off. 2022 , 439, 135702 | 0 |
| 579 | Effect of RF sputtering parameters on the nanoscratch properties of quinary Ti-Zr-Cu-Ni-Al thin film metallic glass. 2022 , 908, 164615 | 0 |

| | | | |
|-----|---|-----|---|
| 578 | Effect of Spontaneous and Water-Based Passivation on Components and Parameters of Ti6Al4V (ELI Grade) Surface Tension and Its Wettability by an Aqueous Solution of Sucrose Ester Surfactants.. 2021 , 27, | | 0 |
| 577 | Influence of surface morphology and surface free energy on the anticoagulant properties of nanocone-shaped ZnO films. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52005 | 2.9 | 0 |
| 576 | Improved interfacial performance of carbon fiber/polyetherimide composites by polyetherimide and modified graphene oxide complex emulsion type sizing agent. 2022 , 34, 292-309 | | 2 |
| 575 | Modulating Interactions between Molten Polystyrene and Porous Solids Using Atomic Layer Deposition. 2021 , | | 2 |
| 574 | Surface Modification of Additively Manufactured Nitinol by Wet Chemical Etching.. 2021 , 14, | | 3 |
| 573 | Surface modification of polytetrafluoroethylene film by argon cold atmospheric pressure plasmas for enhancing bonding with graphene-filled polyimide adhesives. 2022 , 62, 705-717 | | |
| 572 | A Mechanically Reliable Transparent Antifogging Coating on Polymeric Lenses. 2022 , 9, 2101864 | | 2 |
| 571 | The wettability of electron spun membranes by synovial fluid.. 2021 , 8, 210892 | | 0 |
| 570 | Evaluation of polyphenylene sulfide by surface thermodynamics approaches: Comparison with common polymers. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 52082 | 2.9 | 0 |
| 569 | Surface Characterisation of Human Serum Albumin Layers on Activated Ti6Al4V. 2021 , 14, | | 1 |
| 568 | Effect of Low Molecular Weight Oxidized Materials and Nitrogen Groups on Adhesive Joints of Polypropylene Treated by a Cold Atmospheric Plasma Jet.. 2021 , 13, | | 1 |
| 567 | Control of electrostatic self-assembly seeding of diamond nanoparticles on carbon nanowalls.. 2021 , 33, | | 1 |
| 566 | Contact Angle Studies on Functional Surfaces Containing Magnetic Particles. 2022 , 1-27 | | |
| 565 | Influence of Modified Epoxy Dian Resin on Properties of Nitrile-Butadiene Rubber (NBR).. 2022 , 15, | | 1 |
| 564 | Innovative Ru Catalyst Adopting for Improving Interfacial and Mechanical Properties on CF Fabric Reinforced ENB Composites. | | |
| 563 | Biofilm formation and cell viability on monolithic zirconia with silver-doped sodalime glass.. 2022 , 131, 105222 | | |
| 562 | Selective Localization of Nanofiller on Mechanical Properties of Poly(lactic acid)/Poly(butylene adipate-co-terephthalate) Nanocomposites via the Surface Energy and Melt Blending Technique. | | 1 |
| 561 | Pigmented silicone/epoxy novel blends for preparation of stratified nontoxic foul release coatings. 1 | | |

- 560 Formation of Nanotubular Structures with Petal Effect by Soft-Template Electropolymerization of Benzotrithiophene with Hydrophilic Carboxyl Group. 1
- 559 Single-Junction Organic Solar Cells with 19.17% Efficiency Enabled by Introducing One Asymmetric Guest Acceptor.. **2022**, e2110147 71
- 558 Plasma-Induced Modifications on High Density Polyethylene and Polyethylene Terephthalate. 1
- 557 Alteration in Ti6Al4V implant surface properties with micro textures density. 1-9
- 556 Internal interfacial interaction analysis of geopolymer-recycled aggregate pervious concrete based on a infiltration model. **2022**, 333, 127417 0
- 555 Investigating on polymerization process and interaction mechanism of thermosetting polyurethane modified asphalt. **2022**, 335, 127261 0
- 554 Enhancement of breakdown strength and electromigration reliability for cobalt lines lightly doped with boron. **2022**, 285, 126136 1
- 553 The application of liquid crystalline epoxy resin for forming hybrid powder coatings. **2022**, 168, 106873 1
- 552 Data_Sheet_1.PDF. **2018**,
- 551 Characterizations of a TiAl/TiAlN Multilayered Composite Coating on a V-4cr-4ti Alloy.
- 550 Cellulose nanocrystals into Poly(ethyl methacrylate) used for dental application. **2022**, 32,
- 549 Comparative Study of a Simple Fluorescent Emitter in Ternary Nonfullerene- and Fullerene-Based Organic Solar Cells: The Impact on Energy Transfer and Vertical Phase Distribution.
- 548 Topographical changes and bactericidal efficacy of antimicrobial photodynamic therapy on titanium implant surface.. **2022**, 102882
- 547 Textile functionalization by combination of twin polymerization and polyalkoxysiloxane-based sol-gel chemistry. *Journal of Applied Polymer Science*, 2.9
- 546 Non-toxic Self-cleaning Large Area Cement Blocks Fabrication by Biomimicking Superhydrophobic Periwinkle Flowers. **2022**, 129112 0
- 545 An insight on the effect of the hard segment domain on the thermo-mechanical and surface properties of new piperazine-based polyurethanes. *Journal of Applied Polymer Science*, 2.9 0
- 544 Blends Based on Poly(ϵ Caprolactone) with Addition of Poly(Lactic Acid) and Coconut Fibers: Thermal Analysis, Ageing Behavior and Application for Embossing Process.. **2022**, 14, 1
- 543 A Polystyrene Photoresin for Direct Lithography of Microfluidic Chips. 2200084

- 542 Controlling unequal surface energy results caused by test liquids: the case of UV/O₃ Treated PET.. **2022**, 12, 6772 1
- 541 Printing of Layers for LC Cells. **2022**, 453-472
- 540 Fabrication and Characterization of Superhydrophobic Al-Based Surface Used for Finned-Tube Heat Exchangers.. **2022**, 15, 0
- 539 Alternative modification by grafting in bamboo cellulose nanofibrils: A potential option to improve compatibility and tunable surface energy in bionanocomposites.. **2022**,
- 538 Surface Free Energy Theory for Evaluating Moisture Damage in Expandable Polyurethane Grouting Materials. 0
- 537 Enhanced mechanical properties and interfacial interaction of ESBR composites by introducing silica decorated with epoxy functionalized elastomer. **2022**, 107632 0
- 536 Tailoring Interfacial Adhesion between PBAT Matrix and PTFE-Modified Microcrystalline Cellulose Additive for Advanced Composites. **2022**, 14, 1973 0
- 535 A three-dimensional numerical model for the motion of liquid drops by the particle finite element method.
- 534 Effect of the Composition of Copolymers Based on Glycidyl Methacrylate and Fluoroalkyl Methacrylates on the Free Energy and Lyophilic Properties of the Modified Surface. **2022**, 14, 1960
- 533 Resin Wettability Correlates Linearly to Interfacial Fracture Energy between Thermosetting Elastomers and Glass. 0
- 532 Influence of surface tension on the critical current density at sulfuric acid electrolysis. 1 0
- 531 Effect of crosslinker on the wettability and mechanical properties of hydrophobic coatings deposited via atmospheric pressure plasma. 0
- 530 Delamination and wetting behavior of natural hot-melt coating materials. **2022**, 404, 117443 0
- 529 MG-63 and FetMSC Cell Response on Atomic Layer Deposited TiO₂ Nanolayers Prepared Using Titanium Tetrachloride and Tetraisopropoxide. **2022**, 12, 668 1
- 528 Hydrophobicity of the Pentafluorosulfanyl Group in Side Chains of Polymethacrylates by Evaluation with Surface Free Energy and Neutron Reflectivity.. **2022**,
- 527 Enhancing the interfacial adhesion between continuous basalt fibers and epoxy resin by depositing silicon dioxide nanoparticles. 152808372210996
- 526 Wetting behaviour of a Green cutting fluid (GCF); influence of surface roughness and surface energy of AA5052, Ti6Al4V and EN31. **2022**, 1
- 525 Bionanocomposites of pectin and pracaxi oil nanoemulsion as active packaging for butter. **2022**, 32, 100862 0

| | | |
|-----|---|---|
| 524 | Processing-structure-mechanical property relationships in direct formed carbon nanotube articles and their composites: A review. 2022 , 109501 | 3 |
| 523 | Enhanced interfacial bonding strength of laser bonded titanium alloy/CFRTP joint via hydrogen bonds interaction. 2022 , 239, 109966 | 1 |
| 522 | Bio-based alternatives to volatile silicones: Relationships between chemical structure, physicochemical properties and functional performances.. 2022 , 304, 102679 | 2 |
| 521 | E-beam induced grafting of binary monomer on polysulfone membrane for the separation of skim natural rubber latex. 2022 , 10, 107862 | 0 |
| 520 | Electrochemical characteristics of sputter deposited ZrN nanoflowers coating for enhanced wetting and anti-corrosion properties. 2022 , 440, 128466 | 1 |
| 519 | Development of PES-based hydrophilic membranes via corona air plasma for highly effective water purification. 2022 , 10, 107775 | 2 |
| 518 | Microstructure and properties of B'+C'+N ternary hardening layers on Q235 low-carbon steel prepared by plasma electrolysis. 2022 , 440, 128505 | 0 |
| 517 | Innovative wicking and interfacial evaluation of carbon fiber (CF)/Epoxy composites by CF tow capillary glass tube method (TCGTM) with Tripe-CF fragmentation test. 2022 , 225, 109495 | |
| 516 | Investigation on the characteristics and effect of plant fibers on the properties of asphalt binders. 2022 , 338, 127652 | 1 |
| 515 | Wettability of MXene films.. 2022 , 622, 759-768 | 1 |
| 514 | Carbon fibre fluorination: Surface and structural properties. 2022 , 595, 153561 | |
| 513 | Thermal annealing of natural rubber films controls wettability and enhances cytocompatibility. 2022 , 102048 | 0 |
| 512 | Photoswitchable adsorption behavior on a silica surface: A comparison of the partially fluorinated surfactants with the hydrocarbon surfactants. 2022 , 129237 | 0 |
| 511 | Recyclable grease-proof cellulose nanocomposites with enhanced water resistance for food serving applications. | 1 |
| 510 | Preparation and Properties of Environmentally Friendly Marine Antifouling Coatings Based on a Collaborative Strategy.. 2022 , | 1 |
| 509 | Role of Nanoscale Roughness and Polarity in Odd-Even Effect of Self-Assembled Monolayers. | |
| 508 | Coordination-driven antifouling spray coating using a sulfated polysaccharide Fucoidan. 2022 , 169, 106916 | 1 |
| 507 | Role of Nanoscale Roughness and Polarity in Odd-Even Effect of Self-Assembled Monolayers.. 2022 , | 0 |

| | | | |
|-----|--|-----|---|
| 506 | Crumpled Globule-Heterotextured Polyamide Membrane Interlayered with Protein-Polyphenol Nanoaggregates for Enhanced Forward Osmosis Performance.. 2022 , | | 1 |
| 505 | A simple single-thiophene derivative assists efficient as-cast ternary organic solar cells through Förster resonance energy transfer. | | 0 |
| 504 | Effect of chain extenders on the hydrolytic degradation of soybean polyurethane. <i>Journal of Applied Polymer Science</i> , | 2.9 | 0 |
| 503 | Antibacterial and Osteogenic Properties of Ag Nanoparticles and Ag/TiO ₂ Nanostructures Prepared by Atomic Layer Deposition. 2022 , 13, 62 | | 1 |
| 502 | Surface Properties of CVD-Grown Graphene Transferred by Wet and Dry Transfer Processes. 2022 , 22, 3944 | | 0 |
| 501 | Effective capillary pressure and permeability of a granular material during imbibition in a closed column. 2022 , 129280 | | 0 |
| 500 | Wall Slip of Bimodal Polyethylene. | | 1 |
| 499 | Effects of the high side-chain densities of hydrophobic poly(substituted methylene)s on their surface free energies. | | 0 |
| 498 | Mechanical and microbiological testing concept for activatable anti-infective biopolymer implant coatings. 2022 , 138, 212917 | | 0 |
| 497 | Fouling-Resistant Ionic Graft-Polyamide Nanofiltration Membrane with Improved Permeance for Lithium Separation from MgCl ₂ /LiCl Mixtures. | | 0 |
| 496 | Homologous Series of Polyaniline Derivatives Block Copolymers with Amphiphilic and Semiconducting Properties. 2022 , 14, 2149 | | 0 |
| 495 | Morphology Effect of Zinc Oxide Nanoparticles on the Gas Separation Performance of Polyurethane Mixed Matrix Membranes for CO ₂ Recovery from CH ₄ , O ₂ , and N ₂ . 2022 , 12, 577 | | 0 |
| 494 | Gecko-inspired dry adhesives for heritage conservation Tackling the surface roughness with empirical testing and finite element modelling. 1-26 | | 0 |
| 493 | Sandwich-like interfacial structured polydopamine (PDA)/Wax/PDA: A novel design for simultaneously improving the safety and mechanical properties of highly explosive-filled polymer composites. 2022 , | | 0 |
| 492 | Self-Lubricative Organic-Inorganic Hybrid Coating with Anti-Icing and Anti-Waxing Performances by Grafting Liquid-Like Polydimethylsiloxane. 2200160 | | 3 |
| 491 | Conductive polycarbonate composites prepared by a ternary polymer blend approach involving sea-island-type interfacial carbon black networks. <i>Journal of Applied Polymer Science</i> , | 2.9 | 0 |
| 490 | Grooming of fouling-release coatings to control marine fouling and determining how grooming affects the surface. 1-17 | | 0 |
| 489 | Interplay between Interfacial Energy, Contact Mechanics, and Capillary Forces in EGaIn Droplets. | | 1 |

| | | |
|-----|---|---|
| 488 | Ultrathin, reflective light-field imaging film realized by self-releasing UV-curable nanoimprinting lithography. | 0 |
| 487 | Influence of Heat Treatment of Electrospun Carbon Nanofibers on Biological Response. 2022 , 23, 6278 | 0 |
| 486 | Sweetening Lithium Metal Interface by High Surface and Adhesive Energy Coating of Crystalline β -D-Glucose Film to Inhibit Dendrite Growth. 2201349 | 0 |
| 485 | Anti-infective DNase I coatings on polydopamine functionalized titanium surfaces by alternating current electrophoretic deposition. 2022 , 1218, 340022 | 1 |
| 484 | Significant slowdown of plasma-optimized surface energy deactivation by vacuum sealing for efficient adhesive bonding. 2022 , 240, 110001 | 2 |
| 483 | Enzymatic preparation of hydrophobic biomass with one-pot synthesis and the oil removal performance. 2023 , 124, 105-116 | 1 |
| 482 | Smart Polyurethane and Its Promising Applications. 327-361 | 0 |
| 481 | Superwetting surfaces for filterable separation of high-viscosity raw petroleum/water mixtures. | 3 |
| 480 | An experimental and theoretical investigation into the self-assembly of a chemically modified high- Γ oil Γ od diblock copolymer. 2022 , 12, 17950-17958 | 0 |
| 479 | Engineering of a kinetically driven phase of phenoxazine by surface crystallisation. | 2 |
| 478 | Bending Fatigue of Laser-sintered Copper Films on Plasma Bombarded PI Substrate. 2022 , | |
| 477 | Fluorinated Perylene-diimides: Cathode Interlayers Facilitating Carrier Collection for High-Performance Organic Solar Cells. 2203690 | 8 |
| 476 | Evaluation of friction characteristics between PVA sponge and solid materials using surface free energy measurements. | |
| 475 | Humidity-Controlled Preparation of Flexible Porous Carbon Fibers from Block Copolymers. | 0 |
| 474 | Protective Coating for Electrically Conductive Yarns for the Implementation in Smart Textiles. 333, 11-20 | 1 |
| 473 | Fabrication of CL-20/HMX Cocrystal@Melamine-Formaldehyde Resin Core-Shell Composites Featuring Enhanced Thermal and Safety Performance via In Situ Polymerization. 2022 , 23, 6710 | 0 |
| 472 | Xylan-cellulose thin film platform for assessing xylanase activity. 2022 , 119737 | 1 |
| 471 | Tuning the Drug Release from Antibacterial Polycaprolactone/Rifampicin-Based Core-Shell Electrospun Membranes: A Proof of Concept. 2022 , 14, 27599-27612 | 1 |

- 470 Application of Dual Silane Coupling Agent-Assisted Surface-Modified Quartz Powder in Epoxy Matrix for Performance Enhancement. **2022**, 12, 784
- 469 Scaling mitigation and salt reduction of vacuum membrane distillation using sacrificial zeolites. **2022**, 10, 108007
- 468 Enhanced adhesion of EVA and NBR soles with polyurethane adhesives by cold atmospheric pressure plasmas. 1-24
- 467 The role of surface adhesion on the macroscopic wrinkling of biofilms. 11, 0
- 466 Hybrid Dihalogenation on the End Group of Indacenodithieno[3,2-b]thiophene-Based Small-Molecule Acceptors Enables Efficient Polymer Solar Cells Processed from Nonhalogenated Solvents and Additives.
- 465 Preparation of poly(melamine-formaldehyde-2,2'-bis(trifluoromethyl)benzidine) high-performance fibers. *Journal of Applied Polymer Science*, 2.9 1
- 464 The physical properties of the stick insect pad secretion are independent of body size. **2022**, 19, 0
- 463 Environmentally benign smart self-healing silicone-based coating with dual antifouling and anti-corrosion properties. **2022**, 28, 101551 1
- 462 Organic solvent permeation characteristics of TiO₂-ZrO₂ composite nanofiltration membranes prepared using organic chelating ligand to control pore size and surface property. **2022**, 297, 121458 1
- 461 Intrinsic properties of multi-component glass surfaces exposed to aqueous hydrofluoric (HF) and/or hydrochloric (HCl) acid-based treatments. **2022**, 592, 121766 0
- 460 Effect of the properties of long afterglow phosphors on the antifouling performance of silicone fouling-release coating. **2022**, 170, 106965 2
- 459 Synthesis of self-cleaning and photoreactive spherical layered double oxide/polymer composite thin layers: Biofouling and inactivation of bacteria. **2022**, 228, 106587 0
- 458 Endowment of Omnipobicity and Exceptional Bendability to a Poss Coating with High Hardness and Wear Resistance.
- 457 Determination of Surface Energy of Aramid Fibre. **2022**, 411-414
- 456 Using a traveling-wave piezoelectric device to generate a liquid wave for efficient lightweight particle transfer. **2022**, 1-1
- 455 Choice of Dlv0 Approximation Method for Quantifying the Affinity between Latex Particles and Membranes.
- 454 Color changes of dental zirconia immersed in food and beverage containing water-soluble/lipid-soluble pigments. **2022**, 0
- 453 Suitable Ultra-Thin Asphalt Binder Achieved the Energy Equilibrium. 924, 257-271

| | | |
|-----|---|---|
| 452 | Surface free energy study of virgin and recycled carbon fiber reinforced thermoplastic composites. 2022 , 29, | |
| 451 | Reliable Paper Surface Treatments for the Development of Inkjet-Printed Electrochemical Sensors. 2200371 | 1 |
| 450 | Inkjet Printing Efficient Defined-Pixel Matrix Perovskite Light-Emitting Diodes with a Polar Polymer Modification Layer. 2200370 | 0 |
| 449 | Effect of the reduced graphene oxide on the tribological behavior of UHMWPE / rGO nanocomposites under sliding contact conditions. | 1 |
| 448 | A Multiscale Study of Moisture Influence on the Crumb Rubber Asphalt Mixture Interface. 2022 , 12, 6940 | |
| 447 | Preparation of g-C ₃ N ₄ /TNTs/CNTs Photocatalytic Composite Powder and Its Enhancement of Antifouling Performance of Polydimethylsiloxane Coatings. 2022 , 12, 2442 | 0 |
| 446 | Surface metallization of PTFE and PTFE composites by ion implantation for low-background electronic substrates in rare-event detection experiments. 2022 , 33, | 0 |
| 445 | INITIAL BACTERIAL RETENTION ON POLYDIMETHYLSILOXANE OF VARIOUS STIFFNESSES: THE RELEVANCE OF MODULUS (MIS)MATCH. 2022 , 112709 | 1 |
| 444 | Hydrophobic or superhydrophobic modification of cement-based materials: A systematic review. 2022 , 110104 | 1 |
| 443 | Biobased nucleation agents for poly-L-(lactic acid) [Effect on crystallization, rheological and mechanical properties. 2022 , | 0 |
| 442 | Mucoadhesive and Antimicrobial Allantoin/[Cyclodextrins-Loaded Carbopol Gels as Scaffolds for Regenerative Medicine. 2022 , 8, 416 | 1 |
| 441 | Dialdehyde Starch Nanocrystals as a Novel Cross-Linker for Biomaterials Able to Interact with Human Serum Proteins. 2022 , 23, 7652 | 1 |
| 440 | Volatile organic compounds (VOCs) inhibition and energy consumption reduction mechanisms of using isocyanate additive in bitumen chemical modification. 2022 , 133070 | 1 |
| 439 | Fine-tuned Morphology Based on Two Well-miscible Polymer Donors Enables Higher Open-circuit Voltage and Enhanced Stability for Highly Efficient Ternary All-Polymer Solar Cells. 2200411 | 1 |
| 438 | Interfacial adhesion evaluation via wettability for fiber reinforced polymer composites: A review. 1-17 | 0 |
| 437 | Characterization of Films Based on Cellulose Acetate/Poly(caprolactone diol) Intended for Active Packaging Prepared by Green Chemistry Principles. 2022 , 10, 9141-9154 | |
| 436 | Highly Toughened Sustainable Green Polyglycolic Acid/Polycaprolactone Blends with Balanced Strength: Morphology Evolution, Interfacial Compatibilization, and Mechanism. | 0 |
| 435 | Fly Ash from Lignite Combustion as a Filler for Rubber Mixes. Part I: Physical Valorization of Fly Ash. 2022 , 15, 4869 | 0 |

434 Technical Applications. **2022**, 621-670

433 Nanofiltration Membranes Modified with a Clustered Multiquaternary Ammonium-Based Ionic Liquid for Improved Magnesium/Lithium Separation. 3

432 Experimental and numerical studies of polyamide 11 and 12 surfaces modified by atmospheric pressure plasma treatment. **2022**, 102154 1

431 Superhydrophobic and photothermal deicing composite coating with self-healing and anti-corrosion for anti-icing applications. **2022**, 444, 128668

430 Surface modification of polyimide films towards very low contact angles. **2022**, 202, 110036

429 Fluorination of flax fibers for improving the interfacial compatibility of eco-composites. **2022**, 33, e00467 1

428 Electrostatic incitation on fiber surface for enhancing mechanical properties of fiber-reinforced composite. **2022**, 228, 109627 1

427 A mesoscopic model for the simulation of dynamic mechanical properties of filled elastomers: Filled binary polymer blends. **2022**, 212, 111597 0

426 Fouling-resistant ionic graft-polyamide nanofiltration membrane with improved permeance for lithium separation from MgCl₂/LiCl mixtures. **2022**, 659, 120773 0

425 Stable hydrophilic and underwater superoleophobic ZnO nanorod decorated nanofibrous membrane and its application in wastewater treatment. **2022**, 659, 120803 2

424 Enhanced super-hydrophobicity and corrosion resistance of the one-step hydrothermal synthesized coating on the Mg-9Li alloy: Role of the solid-solution treated substrate. **2022**, 921, 166044 0

423 Contrastive manipulations on vertical stratifications by a fluorescent guest component in ternary nonfullerene and fullerene organic solar cells. **2022**, 450, 138018 1

422 Linking intermolecular interactions and rheological behaviour in capillary suspensions. **2022**, 627, 415-426

421 Resampling Techniques for Materials Informatics: Limitations in Crystal Point Groups Classification. 0

420 Interfacial effects of plasticizers on the properties of cellulose diacetate materials. 0

419 The Effect of Antimony (III) Oxide on the Necessary Amount of Precursors Used in Laser-Activated Coatings Intended for Electroless Metallization. **2022**, 15, 5155

418 Bulk Restructure of Perovskite Films via Surface Passivation for High-Performance Solar Cells. 2201787 3

417 Current State of the Problem of Adhesive Interaction Estimation Using Thermodynamic Characteristics. **2022**, 15, 354-358

- 416 Effects of Annealing and Thickness of Co₆₀Fe₂₀Yb₂₀ Nanofilms on Their Structure, Magnetic Properties, Electrical Efficiency, and Nanomechanical Characteristics. **2022**, 15, 5184
- 415 A 4-Arm Small Molecule Acceptor with High Photovoltaic Performance. 0
- 414 Laser surface texturing of Ti/Cu/Ti and Ti/Cu/Zr/Ti multilayers thin films. **2022**, 54, 1
- 413 Understanding and Improving the Oil and Water Barrier Performance of a Waterborne Coating on Paperboard. **2022**, 4, 6148-6155 0
- 412 Amphiphilic and fatigue-resistant organohydrogels for small-diameter vascular grafts. **2022**, 8, 1
- 411 Adhesion and collapse of extreme ultraviolet photoresists and the role of underlayers. **2022**, 21, 1
- 410 Mass production of superhydrophilic micropatterned copper surfaces using powder injection molding process. **2022**, 117779
- 409 Facile Preparation of a Transparent and Rollable Omniphobic Coating with Exceptional Hardness and Wear Resistance. **2022**, 14, 35138-35147 5
- 408 How Reliable Are Surface Tension Data?. 1
- 407 Topographical Design and Thermal-Induced Organization of Interfacial Water Structure to Regulate the Wetting State of Surfaces. 0
- 406 The Roles of Plasma Science Towards Plasma-Activated Reflow Soldering on Cu Substrate with Organic Solderability Preservatives Surface Finish. **2022**, 102284
- 405 Chitosan for eco-friendly control of mycotoxinogenic *Fusarium graminearum*. **2022**, 108067 1
- 404 Bis(Eketoimino)nickel(II) Complexes for Random Copolymerization of Norbornene and Methyl 5-Norbornene-2-carboxylate with Controlled Ester Group Incorporation. **2022**, 55, 7049-7058 1
- 403 Pre- and Post-processes. **2022**, 867-907
- 402 Judicious Design and Rapid Manufacturing of Flexible, Mechanically Resistant Liquid-like Coating with Strong Bonding and Antifouling Abilities. 2204581 6
- 401 Metal Atom Desorption from Organofluorine Surfaces: What Factors Govern Desorption?. 2201096 0
- 400 High-Performance Ternary Organic Solar Cells Enabled by Introducing a New A-DA?D-A Guest Acceptor with Higher-Lying LUMO Level. **2022**, 14, 36582-36591 3
- 399 Study on catechol/tetraethylenepentamine and nano zinc oxide co-modifying ultrahigh molecular weight polyethylene fiber surface to improve interfacial adhesion. 2

- 398 Material extrusion additive manufacturing of dense pastes consisting of macroscopic particles.
- 397 A 4-Arm Small Molecule Acceptor with High Photovoltaic Performance. 0
- 396 Fabrication of a bionic compound eye on a curved surface by using a self-assembly technique. **2022**, 30, 30750 1
- 395 Impact of plasma treatment on solderability of printed circuit boards. **2022**, 1246, 012013
- 394 Revisiting the Surface Energy Parameters of Standard Test Liquids with a Corrected Contact Angle Method over Rough Surfaces. 0
- 393 h-BN Modification Using Several Hydroxylation and Grafting Methods and Their Incorporation into a PMMA/PA6 Polymer Blend. **2022**, 12, 2735 0
- 392 A Dense Conformal Electrode Array for High Spatial Resolution Stimulation of Electrosensory Systems. 2200354
- 391 Studying the Effect of Pre-Polymer Composition and Incorporation of Surface-Modifying Amphiphilic Additives on the Fouling-Release Performance of Amphiphilic Siloxane-Polyurethane Coatings. **2022**, 14, 37229-37247 0
- 390 Surface wettability of water and blood on diversified nanocone-shaped ZnO films modified with n-dodecyl mercaptan.
- 389 A Comparative Study of Surface Energy Characterization for Paragonite Mica. **2022**, 16, 541-547
- 388 Template-Free Scalable Fabrication of Linearly Periodic Microstructures by Controlling Ribbing Defects Phenomenon in Forward Roll Coating for Multifunctional Applications. 2201237 1
- 387 Ice-templated synthesis of multicomponent porous coatings via vapour sublimation and deposition polymerization. **2022**, 100403 1
- 386 Effect of plasma treatment on nucleation of Au nanoparticles. **2022**, 20, 2235-2246
- 385 Preparation and performance of an asphalt pavement sealant with waterborne epoxy resin. **2022**, 350, 128827
- 384 Silicone low surface energy antifouling coating modified by zwitterionic side chains with strong substrate adhesion. **2022**, 179, 111529 0
- 383 Physical, chemical and rheological investigation and optimization design of asphalt binders partially replaced by bio-based resins. **2022**, 350, 128845 0
- 382 AISI 316L stainless steel modification by surface alloy and a-C:H:SiO_x coating synthesis. **2022**, 204, 111369 0
- 381 A fluorinated, defect-free ZIF-8/PDMS mixed matrix membrane for enhancing ethanol pervaporation. **2022**, 661, 120920 1

- 380 Characteristics and radiolysis behavior of polyvinylchloride under accelerated proton and Irradiation. **2022**, 201, 110436
- 379 Microfluidic E-tongue to diagnose bovine mastitis with milk samples using Machine learning with Decision Tree models. **2023**, 451, 138523 ○
- 378 Wettability of soft PLGA surfaces predicted by experimentally augmented atomistic models. ○
- 377 Wear-Resistant Hydrophobic Coatings from Low Molecular Weight Polytetrafluoroethylene Formed on a Polyester Fabric. **2022**, 12, 1334 ○
- 376 Assessing the combined effect of surface topography and substrate rigidity in human bone marrow stem cell cultures. ○
- 375 A Study on the Improvement of Bonding Strength of Heterojunctions by Applying Laser Surface Treatment to Carbon Fiber Reinforced Plastics. **2022**, 39, 683-689 ○
- 374 Preparation and Properties of Fluorosilicone Fouling-Release Coatings. **2022**, 14, 3804 1
- 373 Physicochemical Characterization of β -Chitin Whiskers-Reinforced Chitosan Nanocomposite Films. ○
- 372 Jamming carbonaceous nanofiller in the continuous phase and at the blend interface for phenomenal improvement in the overall physico-mechanical properties of compatibilized thermoplastic elastomer. **2022**, 257, 125261 1
- 371 On the wetting behavior of laser-microtextured stainless steel using Direct Laser Interference Patterning. **2022**, 447, 128869 ○
- 370 Evaluation of adsorption of DNA/PEI polyplexes to tubing materials. **2022**, 179, 58-64 ○
- 369 Can polyphenolic surface modifications prevent fungal colonization of titanium dental implants?. **2022**, 219, 112813 ○
- 368 In situ compatibilization of poly(L-lactic acid)/epoxidized soybean oil bio-blends by reactive additives. **2022**, 188, 115698 1
- 367 Utilization of iron tailings as aggregates in paving asphalt mixture: A sustainable and eco-friendly solution for mining waste. **2022**, 375, 134126 ○
- 366 Influence of polydopamine functionalization on the rapid protein immobilization by alternating current electrophoretic deposition. **2022**, 34, 102347 ○
- 365 Exploration for Cohesion and Adhesion Characteristics of High Viscosity Modified Asphalt: Impacts of Composition-Associated Factors and Thermal Aging. **2022**, 34, ○
- 364 Integration of high surface-energy electrochromic polymer with in-situ polymerized quasi-solid electrolyte for efficient electrochromism. **2022**, 432, 141216 ○
- 363 Hydrophilization and plasmonization of polystyrene substrate with Au nanoparticle organosol. **2022**, 34, 102327 ○

- 362 Polyurethane antifouling coatings with various antifouling strategies in the side chain. **2022**, 173, 107225 ○
- 361 Void distribution, interfacial adhesion and anti-cracking mechanisms of cold recycled asphalt mixture based on AFM and X-ray CT. **2022**, 606, 155012 1
- 360 Adjusting hydrogen bond by Lever Principle to achieve high performance starch-based biodegradable films with low migration quantity. **2022**, 298, 120107 1
- 359 Recent development of membranes modified with natural compounds: Preparation methods and applications in water treatment. **2022**, 302, 122101 ○
- 358 A new molecular thermodynamic model of liquid-liquid interfacial tension. **2023**, 564, 113593 ○
- 357 Adhesion of fluid infused silicone elastomer to glass. ○
- 356 Light-responsive Pickering emulsions based on azobenzene-modified particles. **2022**, 18, 5770-5781 1
- 355 Two-liquid wetting and phase electrowetting as a probe for surface chemistry of hydrophobic materials. **2022**, 24, 23323-23328 ○
- 354 Debonding of a soft adhesive fibril in contact with an elastomeric pillar. **2022**, 18, 5857-5866 ○
- 353 Template molecular weight-dependent PEDOT surface energy: Impact on the photovoltaic performance of bulk-heterojunctions. ○
- 352 Physical Fluid Properties. **2022**, 25-74 ○
- 351 Multiple regression analysis of the chemical components effect on wettability at ps laser micro-structured surfaces on stainless steel 304. **2023**, 607, 154852 ○
- 350 Surface free energy, microstructure and performance of polyvinylidene fluoride (PVDF) membrane: the influence of hydrophilic porogens. **2022**, 595, 60-72 ○
- 349 Chitosan-Gelatin Films Cross-Linked with Dialdehyde Cellulose Nanocrystals as Potential Materials for Wound Dressings. **2022**, 23, 9700 ○
- 348 SLAP@g-C3N4 Fluorescent Photocatalytic Composite Powders Enhance the Anti-Bacteria Adhesion Performance and Mechanism of Polydimethylsiloxane Coatings. **2022**, 12, 3005 ○
- 347 Surface Modification of TiB0Ta Alloy by Deposition of P(VDF-TrFE)/BaTiO3 Coating for Biomedical Applications. **2022**, 12, 1409 ○
- 346 Effect of graphite oxide content on shape memory performance of graphite oxide-carbon fiber hybrid reinforced shape memory polymer composites by VIHPS. ○
- 345 An investigation to enhance the mechanical property of high-performance thermoplastic composite through different plasma treatment. 1

- 344 Continuous air purification by aqueous interface filtration and absorption. **2022**, 610, 74-80 4
- 343 Imidazolium Salt for Enhanced Interfacial Shear Strength in Polyphenylene Sulfide/Ex-PAN Carbon Fiber Composites. **2022**, 14, 3692 0
- 342 An empirical study on the wear of reciprocating hydraulic rod seals using 15 different oils. 0
- 341 Modeling of Particle Dissolution Behavior Using a Geometrical Phase-Field Approach. 0
- 340 How Wetting Properties Influence the Wear of Radial Lip Sealing System. 0
- 339 Anticorrosive properties of a superhydrophobic coating based on an ORMOSIL enhanced with MCM-41-HDTMS nanoparticles for metals protection. 0
- 338 Laser-Hyperspectral-Imaging für die Qualitätssicherung von Kunststoff-Oberflächen. **2022**, 66, 52-57 0
- 337 A novel chitosan and polydopamine interlinked bioactive coating for metallic biomaterials. **2022**, 33, 1
- 336 Factors to control the alignment of surface treated titanium dioxide powders to maximize performance of sunscreens. 0
- 335 Study on the Construction of Dopamine/Poly(ethyleneimine)/Aminoated Carbon Nanotube Multilayer Films on Aramid Fiber Surfaces to Improve the Mechanical Properties of Aramid Fibers/Epoxy Composites. 0
- 334 Light-Emitting Polymer Blended with Elastomers for Stretchable Polymer Light-Emitting Diodes. **2022**, 55, 8311-8320 0
- 333 Charakterisierung und Qualitätssicherung von Oberflächenvorbehandlungen auf Kunststoffbauteilen. 0
- 332 Hydrophobic Biodegradable Hyperbranched Copolymers with Excellent Marine Diatom Resistance. 0
- 331 Effect of multi-walled carbon nanotubes on rheological behavior and electrical conductivity of poly(ethylene-co-vinyl acetate)/acrylonitrile-butadiene rubber/multi-walled carbon nanotubes nanocomposites. 0
- 330 Highly Flexible Fabrics/Epoxy Composites with Hybrid Carbon Nanofillers for Absorption-Dominated Electromagnetic Interference Shielding. **2022**, 14, 1
- 329 High-Efficiency Perovskite/Organic Blend Light-Emitting Diodes Featuring Self-Assembled Monolayers as Hole-Injecting Interlayers. 2201396 1
- 328 Smooth Transparent Omniphobic Coatings with Remarkable Liquid Repellence. **2022**, 9, 2201080 0
- 327 Grain density control in FePt granular films for heat-assisted magnetic recording media. 0

- 326 Plasma-Modified PI Substrate for Highly Reliable Laser-Sintered Copper Films Using Cu₂O Nanoparticles. **2022**, 12, 3237 ○
- 325 Enhancing photovoltaic performance of asymmetric fused-ring electron acceptor by expanding pyrrole to pyrrolo[3,2- b]pyrrole. ○
- 324 Development of biobased polyol from epoxidized soybean oil for polyurethane anti-smudge coatings. ○
- 323 Humidity-Controlled Dynamic Engineering of Buckling Dimensionality in MoS₂ Thin Films. **2022**, 16, 14157-14167 ○
- 322 Carbon-based coatings for suppression of silica adhesion in geothermal power generation. **2022**, 107956 ○
- 321 Adhesion Energy Modulation Acts as an NGF Receptor Activator for Neuronal Differentiation in NGF-Free Medium. **2022**, 9, 2200717 ○
- 320 Research on waterproof performance and mechanism of organic silicon hydrophobic material for roadbed soil. 1-20 ○
- 319 Nature-Inspired High Temperature Scale-Resistant Slippery Lubricant-Induced Porous Surfaces (HTS-SLIPS). 2203615 ○
- 318 Adhesion and colorimetric analysis of acrylate resin-based screen-printed inks on anodized aluminium substrate. 1-22 ○
- 317 Unraveling the Complex Interfacial Properties of Cork-Based Materials in Their Use as Wine Stoppers. **2022**, 14, 42602-42612 ○
- 316 Contact-Active Layer-by-Layer Grafted TPU/PDMS Blends as an Anticrustation and Antibacterial Platform for Next-Generation Urological Biomaterials: Validation in Artificial and Human Urine. ○
- 315 Heterogeneous Percolation in Poly(methylvinylsiloxane)/Silica Nanocomposites: The Role of PolymerParticle Interaction. 1
- 314 Enhancing the Adsorption Performance of 2-Methylisoborneol by Activated Carbon by Promoting Hydrophobic Effects. ○
- 313 Utilization of Catechol End-Functionalized PMMA as a Macromolecular Coupling Agent for Ceramic/Fluoropolymer Piezoelectric Composites. ○
- 312 Benzothiadiazole versus Thiazolobenzotriazole: A Structural Study of Electron Acceptors in Solution-Processable Organic Semiconductors. ○
- 311 Thin Organic-Inorganic Anti-Fouling Hybrid-Films for Microreactor Components. 2200043 1
- 310 Special Superwetting Materials from Bioinspired to Intelligent Surface for On-Demand Oil/Water Separation: A Comprehensive Review. 2204624 3
- 309 Blistering of color coated steel: Use of broad ion beam milling to examine degradation phenomena and coating defects. **2022**, 448, 128913 ○

- 308 Spontaneous Wrinkle Formation on Polydimethylsiloxane Using Plasma Immersion Ion Implantation: Influence of Ion Species and Pulse Frequency. 0
- 307 Wettability Variation of Different Nickel Surface Morphologies Prepared by Electrodeposition and UV Illumination. 0
- 306 Construction of a sandwich-like Gr/Ni composite coating on AZ91D magnesium alloy to achieve excellent corrosion and wear resistances in the seawater. **2022**, 109400 0
- 305 Tailoring intrinsic hydrophobicity and surface energy on rough surface via low-T Cassie-Wenzel wetting transition method. 0
- 304 Monomolecular Vertical Alignment Layer with Room Temperature Processibility for Flexible Liquid Crystal Displays. **2022**, 120535 0
- 303 Robust graphene field-effect transistor biosensors via hydrophobization of SiO₂ substrates. 0
- 302 Reaching the breaking point: Effect of tubing characteristics on protein particle formation during peristaltic pumping. **2022**, 627, 122216 0
- 301 A substrate-independent transparent UV-curable coating with excellent anti-smudge performance. **2022**, 173, 107185 0
- 300 Enhancing exciton diffusion by reducing energy disorder in organic solar cells. 0
- 299 Contact Angle Studies on Functional Surfaces Containing Magnetic Particles. **2022**, 733-759 0
- 298 Estimating donor:acceptor compatibility for polymer solar cells through nonfused-ring acceptors with benzoxadiazole core and different halogenated terminal groups. 0
- 297 Surface Characterization as a Tool for Identifying the Factors Affecting the Dissolution Rate of Amorphous Solid Dispersion Tablets. **2022**, 23, 0
- 296 Carbon Nanotube Migration in Melt-Compounded PEO/PE Blends and Its Impact on Electrical and Rheological Properties. **2022**, 12, 3772 0
- 295 Benzyltrimethylammonium Chloride Doped Dental Adhesive: Impact on Core Properties, Biosafety, and Antibacterial/Bonding Performance after Aging. **2022**, 13, 190 1
- 294 Wettability after Artificial and Natural Weathering of Polyethylene Terephthalate. **2022**, 9, 134 0
- 293 Effects of Hydride Transfer Ring-Opening Reaction on B(C₆F₅)₃ Catalyzed Polymerization of D₄H Cyclosiloxane and Dialkoxysilanes toward Thermally Stable Silsesquioxane-Siloxane Hybrid Materials. 1
- 292 Biobased Bisbenzoxazine Resins Derived from Natural Renewable Monophenols and Diamine: Synthesis and Property Investigations. 1
- 291 Bilayer biocomposites of PVOH/WPI/nano-silica treated with corona discharge. 0

- 290 Effect of X-ray exposure on nano-mechanical properties of multi-walled carbon nanotube incorporated silicone polymer nanocomposites: An AFM-based study. **2022**, 54, 1172-1201 ○
- 289 Immobilization of Active Antibodies at Polymer Melt Surfaces during Injection Molding. **2022**, 14, 4426 ○
- 288 Aqueous foam forming of quartz paper. ○
- 287 Atomically Flat, 2D Edge Directed Self-Assembly of Block Copolymers. 2207338 ○
- 286 Superhydrophobic and Self-Cleaning Aluminum via a Rapid and Controlled Process. ○
- 285 Self-Aggregated Light-Trapping Nanodots for Highly Efficient Organic Solar Cells. 2205128 ○
- 284 N-doped carbon materials produced by CVD with the compounds derived from LDHs. **2022**, 57, 18298-18322 ○
- 283 Surface Properties of Films of Linear-Dendritic Fluorinated Block Copolymers Based on N-isopropylacrylamide. ○
- 282 Shellac-Paper Composite as a Green Substrate for Printed Electronics. ○
- 281 First Stage of the Development of an Eco-Friendly Detergent Formulation for Efficient Removal of Carbonized Soil. **2022**, 27, 7460 ○
- 280 Nucleation and growth studies of large-area deposited WS₂ on flexible substrates. **2022**, 9, 116401 ○
- 279 Evaluation of the bonding properties between low-value plastic fibers treated with microbially-induced calcium carbonate precipitation and cement mortar. **2022**, 357, 129331 1
- 278 Rifampicin-loaded electrospun polycaprolactone membranes: Characterization of stability, antibacterial effects and urotheliocytes proliferation. **2022**, 224, 111286 ○
- 277 Effect of alkali and silane treatments on the surface energy and mechanical performances of *Raphia vinifera* fibres. **2022**, 190, 115854 1
- 276 Crystallization behavior and secondary nucleation model of PP/GN nanocomposites under supercritical N₂. **2022**, 36, 101362 1
- 275 Impact of complex irradiation scenarios on the structure and the properties of the International Simple Glass. **2022**, 572, 154079 ○
- 274 Surface protection of a V-4Cr-4Ti alloy through a multilayered TiAl/TiAlN composite coating. **2023**, 207, 111595 ○
- 273 Poly (vinyl alcohol)/hydrothermally treated tannic acid composite films as sustainable antioxidant and barrier packaging materials. **2023**, 174, 107305 ○

| | | |
|-----|--|---|
| 272 | Ionic liquid-reinforced polybenzoxazine/urethane film with robust surface for recoverable adhesive tape substrate. 2023 , 174, 107315 | 1 |
| 271 | Choice of DLVO approximation method for quantifying the affinity between latex particles and membranes. 2023 , 666, 121121 | 1 |
| 270 | In-situ silver recovery for biofouling mitigation with catechol-assisted nanofiltration membrane. 2023 , 547, 116233 | 0 |
| 269 | Elaboration of hydrophobic flax fibers through fluorine plasma treatment. 2023 , 611, 155615 | 0 |
| 268 | Control of the Hydrophobic Properties of Polyester Fabric Coatings Deposited Using Polytetrafluoroethylene Telomers and Silica Nanoparticles. 2022 , 56, 872-880 | 0 |
| 267 | Effects of Air Plasma Modification on Aramid Fiber Surface and Its Composite Interface and Mechanical Properties. 2022 , 14, 4892 | 0 |
| 266 | Y-TZP Physicochemical Properties Conditioned with ZrO ₂ and SiO ₂ Nanofilms and Bond Strength to Dual Resin Cement. 2022 , 15, 7905 | 0 |
| 265 | Chitosan-based films with cannabis oil as a base material for wound dressing application. 2022 , 12, | 0 |
| 264 | Effect of surface free energy of organic underlayer on dissolution kinetics of poly(4-hydroxystyrene) film in tetramethylammonium hydroxide aqueous developer. 2022 , | 0 |
| 263 | UV-Cured PDMS for Oil Removal from Wastewater. 2200345 | 0 |
| 262 | Modification of Paper Surface by All-Lignin Coating Formulations. 2022 , 15, 7869 | 1 |
| 261 | Adhesion energy, spreading coefficient and interfacial tension as an efficient tool for assessing biocide performance. | 0 |
| 260 | Relationship between Leaf Traits and PM-Capturing Capacity of Major Urban-Greening Species. 2022 , 8, 1046 | 0 |
| 259 | From the Design of Novel Tri- and Tetra-Epoxidized Ionic Liquid Monomers to the End-of-Life of Multifunctional Degradable Epoxy Thermosets. | 0 |
| 258 | Improving Interfacial Strength and Corrosion Resistance of Fiber Metal Laminates by Phosphating Magnesium Substrates. | 0 |
| 257 | Nucleation as a rate-determining step in catalytic gas generation reactions from liquid phase systems. 2022 , 8, | 1 |
| 256 | Hydrophobically Modified Gelatin Particles for Production of Liquid Marbles. 2022 , 14, 4849 | 0 |
| 255 | Superrepellent Porous Polymer Surfaces by Replication from Wrinkled Polydimethylsiloxane/Parylene F. 2022 , 15, 7903 | 1 |

- 254 Optimized design of block copolymers with covarying properties for nanolithography. 2
- 253 Self-assembly of Diazonium-modified Boron Nitride Nanosheets and Glass Fibre: A Strategy Synergistically Improving Mechanical, Insulating and Thermal Properties of Glass fibre reinforced polymer Composites. **2022**, 102465 0
- 252 Annealing Effect on the Structural, Magnetic, Electrical, Optic Property, Nanomechanical, and Adhesive Characteristics of Co₆₀Fe₂₀Yb₂₀ Thin Films on Glass Substrate. **2022**, 12, 1753 0
- 251 Drilling fluid adhesion resistance of electroless plating nickel phosphorus (Ni-P) alloy coating deposited on laser-textured surface of bit waterways. **2022**, 108081 0
- 250 Growth-Induced Wrinkles and Dotlike Patterns of a Swollen Fluoroalkylated Thin Film by the Reaction of Surface-Attached Polymethylhydrosiloxane. 0
- 249 Vapor Swelling of Polymer Brushes Compared to Nongrafted Films. **2022**, 38, 13763-13770 1
- 248 3D stretchable and self-encapsulated multimaterial triboelectric fibers. **2022**, 8, 0
- 247 Corrosion resistance of Cu-Zr(O) N films in a simulated seawater environment. **2022**, 451, 129050 1
- 246 Bacterial Response to the Surface Aging of PLA Matrices Loaded with Active Compounds. **2022**, 14, 4976 0
- 245 Molecular mechanisms of interrod spacing-mediated osseointegration via modulating inflammatory response and osteogenic differentiation. **2023**, 454, 140141 0
- 244 Unexpected excellent under-oil superhydrophilicity of poly(2-(dimethylamino)ethyl methacrylate) for water capture from oil and water-induced oil self-dewetting. **2023**, 657, 130588 0
- 243 Synthesis and characterization of a polystyrene-type polymer bearing a cyclic perfluoroalkylene group. **2023**, 265, 125588 0
- 242 Strengthening of polyamide 6 and isosorbide-containing copolyester immiscible blends by in-situ reactive compatibilization. **2023**, 265, 125597 0
- 241 Solid additive-assisted morphology optimization enables efficient nonhalogen solvent-processed polymer solar cells. 0
- 240 How nucleating particles migration affects the fractionated crystallization of isotactic polypropylene/polystyrene immiscible blends. **2023**, 719, 179407 1
- 239 Effect of aging, testing temperature and relative humidity on adhesion between asphalt binder and mineral aggregate. **2023**, 363, 129775 1
- 238 Architecturally simple organic photodiodes with highly competitive figures of merit via a facile self-assembly strategy. 0
- 237 Orientation control of Platinum electrode grown on silicon using [Ca₂Nb₃O₁₀] nanosheets as seed layer.. **2023**, 765, 139640 0

- 236 Oleophobic coated composite materials based on multi-layer graphitic scaffolding: applications within aircraft propellant tanks and oil-spill clean-up. 0
- 235 Novel polybenzoxazine and polybenzoxazine/epoxy thermosetting copolymers containing polysilsesquioxane nanostructures for high-performance thermal protection systems. **2023**, 182, 111722 0
- 234 Electrochemical and passive behaviors of Ti-Fe-B alloy manufactured via casting, forging and additive manufacturing. **2023**, 196, 112530 0
- 233 Heat treatment induced strength improvement of the injection-molded joint between polymer and blasted steel. **2023**, 333, 133651 0
- 232 Moisture Damage Characterization of Rubber-Modified Asphalt Mixture Containing Waste Steel Slag under Multiple Freeze-Thaw Cycles. **2023**, 35, 0
- 231 Plasma-assisted facile fabrication of omniphobic graphene oxide membrane with anti-wetting property for membrane distillation. **2023**, 668, 121207 0
- 230 Surface modification of low-background polymers by applying nitrogen ion implantation for electronic substrates of rare event detection. **2023**, 204, 110700 0
- 229 High-resolution light field imaging based on liquid crystal microlens arrays with ZnO microstructure orientation. **2023**, 162, 107424 1
- 228 Towards the sustainable utilization of steel slag in asphalt pavements: A case study of moisture resistance and life cycle assessment. **2023**, 18, e01722 0
- 227 Laser surface treatment to enhance the adhesive bonding between steel and CFRP: Effect of laser spot overlapping and pulse fluence. **2023**, 159, 109002 0
- 226 In Situ Polymerization of Linseed Oil-Based Composite Film: Enhancement of Mechanical and Water Barrier Properties by the Incorporation of Cinnamaldehyde and Organoclay. **2022**, 27, 8089 0
- 225 Poly(3-hexylthiophene)-Based Organic Thin-Film Transistors with Virgin Graphene Oxide as an Interfacial Layer. **2022**, 14, 5061 0
- 224 Development of Water Repellent, Non-Friable Tannin-Furanic-Fatty Acids Biofoams. **2022**, 14, 5025 0
- 223 Effect of Annealing and Thickness of Co₄₀Fe₄₀Yb₂₀ Thin Films on Various Physical Properties on a Glass Substrate. **2022**, 15, 8509 1
- 222 Superhydrophobic Poplar Scrimber Via In Situ Synthesis of Cu₇Cl₄(OH)₁₀·H₂O Heterostructure Inspired by Pine Cone with Superultraviolet Resistance. **2022**, 10, 16169-16181 1
- 221 Bacterial and Cellular Response to Yellow-Shaded Surface Modifications for Dental Implant Abutments. **2022**, 12, 1718 0
- 220 CF₃-Terminated Side Chain Enables Efficiencies Surpassing 18.2% and 16.1% in Small- and Large-Scale Manufacturing of Organic Solar Cells. 96-106 1
- 219 Solution-processed Molybdenum Oxide Hole Transport Layer Stabilizes Organic Solar Cells. 0

- 218 Additive Manufacturing of Polyolefins. **2022**, 14, 5147 ○
- 217 Study on properties influence of carbon fiber reinforced polyimide composites via surface modification using metal mesh. ○
- 216 Benzodithiophene unit copolymerization to improve the stability of thiophene-based organic solar cells. **2023**, 56, 044007 ○
- 215 Study of eco-friendly fabricated hydrophobic concrete containing basalt fiber with good durability. **2022**, 105759 ○
- 214 Hansen Solubility Parameters from Surface Measurements: A Comparison of Different Methods. **2022**, 102594 ○
- 213 Biosynthesized Silver Nanoparticles Encapsulated in a Poly(vinyl alcohol) Matrix: Dielectric and Structural Properties. **2022**, 7, ○
- 212 The Influence of Oxidation on the Magnetic, Electrical, and Mechanical Properties of Co₄₀Fe₄₀Yb₂₀ Films. **2022**, 15, 8675 ○
- 211 Anti-Oil-Adhesion Property of Superhydrophilic/Underwater Superoleophobic Phytic Acid-FeIII Complex Coatings. ○
- 210 Thermo/hydration responsive shape memory polymers with enhanced hydrophilicity for biomedical applications. **2023**, 32, 015006 ○
- 209 Facile Preparation of a Robust Superhydrophobic SiO₂ /Epoxy Composite Coating with Favorable Corrosion and Scale Inhibition Performance. 2201328 ○
- 208 Carbon nanotubes enhanced bimorph effect of U-shaped flexure cantilever beam actuators made from polyethylene terephthalate and polymethyl methacrylate. **2022**, 9, 125007 ○
- 207 Open Questions that Can Bridge Intermolecular Interactions and Macroscopic Wetting/Dewetting Behaviors of Thin Films. 2200375 ○
- 206 Analysis of Bonding Mechanisms of Various Implants and Adhesives in Laminated Oak-Wood Elements. **2022**, 14, 5373 ○
- 205 New polyurethanes containing cycloaliphatic units in the hard segments. The influence of the microstructure on the thermo-mechanical and surface properties. ○
- 204 All-Polymer Piezo-Composites for Scalable Energy Harvesting and Sensing Devices. **2022**, 27, 8524 ○
- 203 Cleaner technologies to minimise the environmental footprint of the footwear bonding process. 095440622210400 ○
- 202 Opportunities for Recycling PV Glass and Coal Fly Ash into Zeolite Materials Used for Removal of Heavy Metals (Cd, Cu, Pb) from Wastewater. **2023**, 16, 239 1
- 201 Physicochemical Modifications on Thin Films of Poly(Ethylene Terephthalate) and Its Nanocomposite with Expanded Graphite Nanostructured by Ultraviolet and Infrared Femtosecond Laser Irradiation. **2022**, 14, 5243 ○

- 200 Graphene Oxide-Carbon Nanotube (GO-CNT) Hybrid Mixed Matrix Membrane for Pervaporative Dehydration of Ethanol. **2022**, 12, 1227 ○
- 199 Gold-Boroborate nanocomposite-coated orthodontic brackets gain antibacterial properties while remaining safe for eukaryotic cells. ○
- 198 Optimized Morphology Enables High-Efficiency Nonfullerene Ternary Organic Solar Cells. ○
- 197 Nitrogenous Interlayers for ITO S/D Electrodes in N-Type Organic Thin Film Transistors. 2202059 ○
- 196 Morphology Optimization of the Photoactive Layer through Crystallinity and Miscibility Regulation for High-performance Polymer Solar Cells. ○
- 195 Influence of Post-Deposition Thermal Treatments on the Morpho-Structural, and Bonding Strength Characteristics of Lithium-Doped Biological-Derived Hydroxyapatite Coatings. **2022**, 12, 1883 ○
- 194 Silver Nanoparticles and Glycyrrhiza glabra (Licorice) Root Extract as Modifying Agents of Hydrogels Designed as Innovative Dressings. **2023**, 24, 217 ○
- 193 Morphology Optimization of the Photoactive Layer through Crystallinity and Miscibility Regulation for High-performance Polymer Solar Cells. ○
- 192 Adhesion in Bitumen/Aggregate System: Adhesion Mechanism and Test Methods. **2022**, 12, 1934 ○
- 191 Study of Anti-Stripping Measures to Improve the Adhesion of Asphalt to Granite Aggregates. **2022**, 12, 1954 ○
- 190 Thermally Stable, Semi-transparent Superhydrophobic Nanocomposites with Excellent Mechanical Strengths. ○
- 189 Mitigation of Cellular and Bacterial Adhesion on Laser Modified Poly (2-Methacryloyloxyethyl Phosphorylcholine)/Polydimethylsiloxane Surface. **2023**, 13, 64 1
- 188 The stain resistant effect of an ultraviolet curable coating material on denture base resin. **2023**, ○
- 187 Chitosan Composites Containing Boron-Dipyrromethene Derivatives for Biomedical Applications. **2023**, 24, 1770 ○
- 186 The Static Friction Peak in Reciprocating Sliding. **2023**, 108240 ○
- 185 Co₄₀Fe₄₀Y₂₀ Nanofilms Structural, Magnetic, Electrical, and Nanomechanical Characteristics as a Function of Annealing Temperature and Thickness. **2023**, 13, 137 1
- 184 Effects of surface roughness on wettability and surface energy of coal. 10, ○
- 183 Evaporated Self-Assembled Monolayer Hole Transport Layers: Lossless Interfaces in p-i-n Perovskite Solar Cells. 2203982 ○

- 182 Fully bio-based ternary polymer blends: structural characterization and mechanical behavior. **2023**, 100314 ○
- 181 Enhanced Adhesion of Bioinspired Microadhesives Based on Silicone Elastomers with Designed Macromolecular Structures. ○
- 180 Conditions for and Characteristics of the Dispersion of Gel Fuel Droplets during Ignition. **2023**, 13, 1072 ○
- 179 Influence of silane coupling agents on the interfacial structure and properties of modified polypropylene/aluminum alloy composites prepared by hot-press molding. 1-23 ○
- 178 Changes of Some Physicochemical Properties of Canola Oil by Adding n-Hexane and Ethanol Regarding Its Application as Diesel Fuel. **2023**, 13, 1108 ○
- 177 Improved Method to Characterize Leaf Surfaces, Guide Adjuvant Selection, and Improve Glyphosate Efficacy. ○
- 176 Interfacial Ultraviolet Cross-Linking of Green Bilayer Dielectrics. **2023**, 15, 3680-3688 ○
- 175 Extraction of Low-Dimensional Structures of Noble and Rare Metals from Carbonaceous Ores Using Low-Temperature and Energy Impacts at Succeeding Stages of Raw Material Transformation. **2023**, 13, 84 ○
- 174 Surface Modification and Properties of Thin Ink Films with Added TiO₂ and ZnO Nanoparticles Applied on Paperboard Substrates. **2023**, 16, 478 ○
- 173 New Prediction Model of Surface and Interfacial Energies Based on COSMO-UC^{E**}. ○
- 172 Controlled Orientation of Silicon-Containing Diblock Copolymer Thin Films by Substrate Functionalization Under Vacuum. 1
- 171 Preparation and performance of durable waterproof adhesive layer for steel bridge deck based on self-stratification effect. **2023**, 366, 130133 ○
- 170 Bio-based lacquers from industrially processed tomato pomace for sustainable metal food packaging. **2023**, 386, 135836 ○
- 169 Silane coupling agent impact on surface features of modification of basalt fibers and the rheological properties of basalt fiber reinforced asphalt. **2023**, 366, 130182 ○
- 168 Eco-friendly marine antifouling coating consisting of cellulose nanocrystals with bioinspired micromorphology. **2023**, 304, 120504 ○
- 167 Effect of phosphorylation on the production of cellulose nanofibrils from Eucalyptus sp. **2023**, 193, 116173 ○
- 166 Review on ice crystallization and adhesion to optimize ice slurry generators without moving components. **2023**, 223, 119974 ○
- 165 Incomplete hetero-structure molecular layer enhancing room-temperature spin-photovoltaic performances. **2023**, 49, 101763 ○

- 164 Verification of the Influence of the 2-Hydroxy-2-methylpropiophenone (Photoinitiator) Content in Hydrogel Materials on Their Physicochemical Properties and Surface Morphology. **2023**, 13, 40 ○
- 163 Impact of Layered Perovskite Oxide La_{0.85}Yb_{0.15}AlO₃ on Structure and Transport Properties of Polyetherimide. **2023**, 24, 715 ○
- 162 Perstraction of Heat-Stable Salts from Aqueous Alkanolamine Solutions. 1
- 161 Effect of Ambient Plasma Treatments on Thermal Conductivity and Fracture Toughness of Boron Nitride Nanosheets/Epoxy Nanocomposites. **2023**, 13, 138 ○
- 160 Glass Transition of the Surface Monolayer of Polystyrene Films with Different Film Thicknesses and Supporting Surfaces. ○
- 159 Influence of the Sebum and the Hydrolipidic Layer in Skin Wettability and Friction. **2015**, 1-12 ○
- 158 Estimation of surface free energy at microstructured surface to investigate intermediate wetting state for partial wetting model. **2023**, 19, 1249-1257 ○
- 157 Toward Sustaining Bioplastics: Add a Pinch of Seasoning. **2023**, 11, 1846-1856 ○
- 156 Selecting adhesive molecular layers with matched surface free energy and chemisorption for shape-fixed UV-cured thin films fabricated by laser-drilled screen printing and UV nanoimprinting. ○
- 155 Wear Mechanism of Superhard Tetrahedral Amorphous Carbon (ta-C) Coatings for Biomedical Applications. 2202370 1
- 154 Effect of Molecular Weight on the Morphology of a Polymer Semiconductor/Thermoplastic Elastomer Blend. 2201055 ○
- 153 Synthesis of heat-resistant and water/oil-repellent aromatic polyketones bearing tetrakis(nonafluorobutyl)-p-terphenylene units. 1
- 152 Self-organization and dewetting kinetics in sub-10 nm diblock copolymer line/space lithography. ○
- 151 Controlling Morphology and Voltage Loss with Ternary Strategy Triggers Efficient All-Small-Molecule Organic Solar Cells. **2023**, 8, 1058-1067 1
- 150 Characterisation of the Surface Free Energy of the Recycled Cellulose Layer that Comprises the Middle Component of Corrugated Paperboards. **2023**, 13, 259 ○
- 149 Effect of Boron Doping Concentration on the Wettability and Surface Free Energy of Polycrystalline Boron-Doped Diamond Film. **2023**, 13, 305 ○
- 148 Surface modification of wood and its effect on the interfacial bonding properties of cement-based wood composites. ○
- 147 Bay-Functionalized Perylene Diimide Derivative Cathode Interfacial Layer for High-Performance Organic Solar Cells. ○

- 146 The Rising Aerogel Fibers: Status, Challenges, and Opportunities. 2205762 ○
- 145 Fast optimization of polymers to boost adhesion and corrosion prevention in hexafluoride conversion coatings for aluminium. **2023**, 58, 1368-1381 ○
- 144 Thermal Tunable Tribological Behavior of Shape Memory Biphenyl Epoxy Resin. **2023**, 13, 166 ○
- 143 Photo-oxidative degradation of fluorinated chemisorbed monolayers studied by contact angle measurements and time-of-flight secondary ion mass spectrometry. ○
- 142 Measuring surface tension and free surface energy. **2023**, 481-493 ○
- 141 Bioinspired Graphene Oxide/Magnetite Nanocomposite Coatings as Protective Superhydrophobic Antifouling Surfaces. ○
- 140 Controlling of Chemical Bonding Structure, Wettability, Optical Characteristics of SiCN:H (SiC:H) Films Produced by PECVD Using Tetramethylsilane and Ammonia Mixture. **2023**, 13, 310 ○
- 139 Sulfone-Modified Perylene Acceptors with Improved Permittivity for Bilayer Organic Solar Cells Processed from Non-halogenated Solvents. ○
- 138 Quantitative surface free energy with micro-colloid probe pairs. **2023**, 13, 2718-2726 ○
- 137 Structure-property relationship of silane-modified polyurethane: A review. **2023**, 176, 107377 1
- 136 One-step electrodeposition to fabricate superhydrophobic surfaces on flexible conductive films: Optimization of metallic compounds. **2023**, 35, 105492 ○
- 135 Polymer brushes based on N-methacryloxysuccinimide as platform for versatile post-polymerization modification. **2023**, 178, 107447 ○
- 134 Nanotopography reveals metabolites that maintain the immunomodulatory phenotype of mesenchymal stromal cells. **2023**, 14, ○
- 133 Extraction and Silylation of Cellulose Nanofibers from Agricultural Bamboo Leaf Waste for Hydrophobic Coating on Paper. **2023**, 20, ○
- 132 An Enhancement of Compositional Stability of Phase Change Materials by Lamination with Aluminum Sheet. **2023**, 13, 444 ○
- 131 Low-voltage polymer transistors on hydrophobic dielectrics and surfaces. **2023**, 6, 025001 ○
- 130 Corn stalk pith-based hydrophobic aerogel for efficient oil sorption. **2023**, 448, 130954 ○
- 129 Sustainable nanocomposite porous absorbent and membrane sieves: Definition, classification, history, properties, synthesis, applications, and future prospects. **2023**, 11, 109367 ○

- 128 A silicone coating containing natural borneol fluorinated side chains with excellent static antifouling properties. **2023**, 112064 ○
- 127 Simulation of hydrophobic lotus leaves for preparing hydrophobic starch blending films based on starch-based graphite oxide carbon. **2023**, 195, 116404 ○
- 126 Stability of supported hybrid lipid bilayers on chemically and topographically-modified surfaces. **2023**, 664, 131125 ○
- 125 Low-Temperature Plasma Treatment of Aluminum for Improved Surface Bonding. ○
- 124 Fully biobased poly(lactic acid)/lignin composites compatibilized by epoxidized natural rubber. **2023**, 236, 123960 ○
- 123 Tribochemical driven interfacial energy gradient in ultralow wear PTFE composite. **2023**, 183, 108438 ○
- 122 Hydrophilic polyurethane films containing gastrodin as potential temporary biomaterials. **2023**, 178, 107481 ○
- 121 Polypropylene film surface modification for improving its hydrophilicity for innovative applications. **2023**, 211, 110334 ○
- 120 Efficient ternary organic solar cells enabled by asymmetric nonfullerene electron acceptor with suppressed nonradiative recombination. **2023**, 464, 142507 ○
- 119 Sustainable 3D printing of oral films with tunable characteristics using CMC-based inks from durian rind wastes. **2023**, 186, 30-42 ○
- 118 Superhydrophobic PVDF membrane formed by crystallization process for direct contact membrane distillation. **2023**, 26, 106464 ○
- 117 Effects of surface nanotexturing on the wickability of microtextured metal surfaces. **2023**, 638, 788-800 ○
- 116 Endowment of omniphobicity and exceptional bendability to a wear-resistant POSS coating. **2023**, 464, 142702 ○
- 115 Screen-printing of chitosan and cationised cellulose nanofibril coatings for integration into functional face masks with potential antiviral activity. **2023**, 236, 123951 1
- 114 The relationships between surface and electrical properties of CSA doped PANI films. **2023**, 667, 131381 ○
- 113 Investigation of clay-oil interfacial interactions in petroleum-contaminated soil: Effect of crude oil composition. **2023**, 380, 121702 ○
- 112 Highly-transparent fluorinated epoxy coating prepared via ring-opening of thiolactone and thiol-click reactions for robust omniphobicity. **2023**, 179, 107519 ○
- 111 Oil-in-oil Pickering emulsions stabilized by shigaite-like layered double hydroxide particles. **2023**, 238, 106947 ○

- 110 Modeling liquid penetration into porous materials based on substrate and liquid surface energies. **2023**, 640, 445-455 ○
- 109 Moisture-proof antireflective coatings derived from liquid-phase and vapor-phase fluoro-modification methods. **2023**, 666, 131321 ○
- 108 Multidimensional evaluation of highly durable scalable and seamlessly integrated fiber-based electrodes for wearable applications. **2023**, 32, 101783 ○
- 107 Photoactive coating based on waterborne polyurethane and carbon quantum dots as a prevention strategy for bacterial resistance. **2023**, 179, 107492 ○
- 106 Highly durable, thermally stable, semi-transparent superhydrophobic surfaces for easy-cleaning of contaminants. **2023**, 179, 107537 ○
- 105 Retention force, translucency, and microstructural properties of translucent temporary luting cements: An in vitro study. **2023**, 142, 105781 ○
- 104 Experimental study of impinging jets of gelled and liquid fluids. **2023**, 165, 104478 ○
- 103 Reduction of friction energy in a piston combustion engine for hydrophobic and hydrophilic multilayer nanocoatings surrounded by soot. **2023**, 271, 126974 1
- 102 A novel single-scan printing approach for polyamide membranes by electrospray technique on polydopamine pre-coated substrate. **2023**, 673, 121461 ○
- 101 Introducing hydrophilic cellulose nanofiber as a bio-separator for water-in-salt based energy storage devices. **2023**, 453, 142355 ○
- 100 Precise quantification of nanoparticle surface free energy via colloidal probe atomic force microscopy. **2023**, 641, 404-413 ○
- 99 Dual functional low surface energy coating of anti-corrosion / fouling via crosslinking polysilazane preceramic precursor incorporated with fluorine. **2023**, 177, 107409 ○
- 98 Non-isocyanate Polyurethane Coating with High Hardness, Superior Flexibility, and Strong Substrate Adhesion. **2023**, 15, 5998-6004 1
- 97 In-situ reactive compatibilization modified poly(l-lactic acid) and poly (butylene adipate-co-terephthalate) blends with improved toughening and thermal characteristics. **2023**, 231, 123419 ○
- 96 The leaf of *Agapanthus africanus* (L.) Hoffm.: A physical-chemical perspective of terrestrialization in the cuticle. **2023**, 208, 105240 ○
- 95 The inclusion of a salicylate derivative in polyurethane structures and its effect on the properties and the stability of polyurethanes exposed to weathering. **2023**, 21, 149-160 ○
- 94 Decoration of Cauliflower-Like TiO₂ on Nanofibrous PVDF Membranes: A Strategy for Wastewater Treatment. **2023**, 5, 1241-1253 ○
- 93 Influence of PHA Substrate Surface Characteristics on the Functional State of Endothelial Cells. **2023**, 14, 85 ○

- 92 Investigation of the moisture damage and the erosion depth on asphalt. **2023**, 369, 130503 ○
- 91 Hybrid Bio-Based Silicone Coatings with Anti-adhesive Properties. **2023**, 16, 1381 ○
- 90 Low energy irradiation induced effects on the surface characteristics of polydimethylsiloxane polymeric films. **2023**, 31, 53-63 ○
- 89 Miscibility driven morphology modulation in ternary solar cells. **2023**, 11, 5037-5047 ○
- 88 Polysaccharide Thin Films [Preparation and Analysis. **2023**, 199-237 ○
- 87 Contact guidance of mesenchymal stem cells by flagellin-modified substrates: Aspects of cell-surface interaction from the point of view of liquid crystal theory. **2023**, 663, 131113 ○
- 86 Strength analysis of carbon fiber reinforced PEEK composites with heat resistant sizing agents. **2023**, 62-76 ○
- 85 Observation of molecular motions in polymer thin films by laboratory grazing incidence diffracted X-ray blinking. ○
- 84 Formation and Investigation of Physicochemical and Microbiological Properties of Biocomposite Films Containing Turmeric Extract Nano/Microcapsules. **2023**, 15, 919 ○
- 83 An Adhesion Improvement of Low-Density Polyethylene to Aluminum through Modification with Functionalized Polymers. **2023**, 15, 916 ○
- 82 Design of Carbon Nanocomposites Based on Sodium Alginate/Chitosan Reinforced with Graphene Oxide and Carbon Nanotubes. **2023**, 15, 925 ○
- 81 Effect of carbon fiber surface properties on carbon fiber/polyphenylene sulfide composite interfacial property. **2023**, 44, 2005-2015 ○
- 80 Wettability and corrosion resistance of zirconium nitride films obtained via reactive high-power impulse magnetron sputtering. **2023**, 41, 023106 ○
- 79 Effects of photoacid generator decomposition on dissolution kinetics of poly(4-hydroxystyrene) in tetraalkylammonium hydroxide aqueous solutions. **2023**, 62, 036502 ○
- 78 Preparation, characterization, and energy simulation of ZnTiO₃ high near-infrared reflection pigment and its anti-graffiti coating. **2023**, 13, 6065-6074 ○
- 77 Aging of Polylactide Films Exposed to Plasma Hydrophobic Recovery and Selected Application Properties. **2023**, 13, 2751 ○
- 76 Centrifugal microfluidic-based multiplex recombinase polymerase amplification assay for rapid detection of SARS-CoV-2. **2023**, 26, 106245 ○
- 75 Designing a Length-Modulated Azide Photocrosslinker to Improve the Stretchability of Semiconducting Polymers. 2212127 ○

- 74 Quantitatively probing interactions between membrane with adaptable wettability and oil phase in oil/water separation. **2023**, ○
- 73 Surface properties of molds for powder injection molding and their effect on feedstock moldability and mold adhesion. **2023**, 126, 381-390 ○
- 72 MECHANISMS OF ADHESION. **2023**, 5-62 ○
- 71 Copolymerization of Parylene C and Parylene F to Enhance Adhesion and Thermal Stability without Coating Performance Degradation. **2023**, 15, 1249 ○
- 70 Studying the Wettability and Bonding Properties of Acetylated Hornbeam Wood Using PVAc and PUR Adhesives. **2023**, 16, 2046 ○
- 69 Symmetric expressions of surface tension components. 1-21 ○
- 68 Tunable nanostructured stainless-steel coating for high-selective and high-permeable separation membranes for oil/water emulsions. **2023**, 6, ○
- 67 Synthesis and Investigation of Physicochemical and Biological Properties of Films Containing Encapsulated Propolis in Hyaluronic Matrix. **2023**, 15, 1271 ○
- 66 Benzo[1,2-b:4,5-b']Difuran-Based Polymer for Organic Solar Cells with 17.5% Efficiency via Halogenation-Mediated Aggregation Control. **2023**, 13, 1 ○
- 65 Quantitative Determination of Charge Transport Interface at Vertically Phase Separated Soluble Acene/Polymer Blends. 2215221 ○
- 64 A renewable lignin-based thermoplastic adhesive for steel joining. **2023**, 189, 111981 ○
- 63 Effect of Cu coating on interfacial behavior of Csf-Cu/AZ91D composites: Wettability and crack propagation mechanism. **2023**, 871, 144908 ○
- 62 Not Just Surface Energy: The Role of Bis(pentafluorophenoxy) Silicon Phthalocyanine Axial Functionalization and Molecular Orientation on Organic Thin-Film Transistor Performance. ○
- 61 Surface-Energy-Mediated Interfacial Adhesion for Mechanically Robust Ultraflexible Organic Photovoltaics. ○
- 60 A novel strategy of implementing coupling agents in micro/nano-fibrillated composites. **2023**, 273, 125837 ○
- 59 Carbon Nanotube Migration in a Compatibilized Blend System, Leading to Kinetically Induced Enhancement in Electrical Conductivity and Mechanical Properties. **2023**, 13, 1039 ○
- 58 Surface Characterization of New Ti-25Ta-Zr-Nb Alloys Modified by Micro-Arc Oxidation. **2023**, 16, 2352 ○
- 57 Effect of drying conditions on adhesion strength of a pressure-sensitive adhesive. 1-29 ○

- 56 Addition of bentonite to cationic starch matrix for coating on kraftliner paper to improve grease resistance. **2023**, ○
- 55 Atmospheric Pressure Plasma Sources for Additive Manufacturing. **2023**, 147-155 ○
- 54 Multifunctional silk textile composites functionalized with silver nanowires. ○
- 53 Flexible Ultrathin Chip-Film Patch for Electronic Component Integration and Encapsulation using Atomic Layer-Deposited Al₂O₃/TiO₂ Nanolaminates. **2023**, 15, 16221-16231 ○
- 52 Study on the Interaction of Plasma-Polymerized Hydrogel Coatings with Aqueous Solutions of Different pH. **2023**, 9, 237 ○
- 51 Wetting and aging behaviors for several O₂ and NH₃ plasma treated nanofibrous and flat film polymer materials: A comparison. ○
- 50 Usability of Discarded Lignocellulosic Fibers in Paper for Secondary Green Packaging and Labeling. **2023**, 15, 5378 ○
- 49 Salt-shrinkage resistant poly(amidoxime) adsorbent for improved extraction of uranium from seawater. **2023**, 464, 142569 ○
- 48 The Influence of Annealing and Film Thickness on the Specific Properties of Co₄₀Fe₄₀Y₂₀ Films. **2023**, 16, 2490 ○
- 47 Vitrification of Liquid Metal-in-Oil Emulsions Using Nano-Mineral Oxides. 2202527 ○
- 46 Nanoscale friction of biomimetic hair surfaces. **2023**, 15, 7086-7104 ○
- 45 Current State of the Art and Next Generation of Materials for a Customized IntraOcular Lens according to a Patient-Specific Eye Power. **2023**, 15, 1590 ○
- 44 Effect of Low-Temperature Plasma Surface Treatment on Bonding Properties of Single-Lap Joint of Thermosetting Composites. **2023**, 15, 1631 ○
- 43 Anti-Bio Adhesive Behavior and Mechanism of Polystyrene Microspheres Enhanced PEG-Based Hydrogels. ○
- 42 Surface Energy of Viscose Fibers Modified by a Fluoropolymer in Supercritical Carbon Dioxide. **2022**, 54, 233-236 ○
- 41 The influence of different storage media on Vickers hardness and surface roughness of CAD/CAM resin composites. **2023**, 34, ○
- 40 Simulation of elastomer nanocomposites: Interfacial stresses and strains related to filler dispersion, global deformation and the Payne effect. **2023**, 223, 112144 ○
- 39 Sputter-Deposited Nano-porous ZnO Electrode for Highly Efficient Optoelectronic and Solid-State Energy Storage Devices. ○

- 38 Synthesis and Characterization of Amine-Epoxy-Functionalized Polystyrene-block-Poly(glycidyl methacrylate) to Manage Morphology and Covarying Properties for Self-Assembly. **2023**, 56, 2675-2685 ○
- 37 Effect of Heating and Citric Acid on the Performance of Cellulose Nanocrystal Thin Films. **2023**, 15, 1698 ○
- 36 Modification of ITO with Composite Self-Assembled Monolayer Enables Hole Injection and Transport Layer-Free TADF-OLED with Preferable Performance. 1303-1310 ○
- 35 Interactions of polymeric components in a POM-based binder system for titanium metal injection moulding feedstocks. 1-10 ○
- 34 Development and Evaluation of the Properties of Active Films for High-Fat Fruit and Vegetable Packaging. **2023**, 28, 3045 ○
- 33 Monitoring the Surface Energy Change of Nanoparticles in Functionalization Reactions with the NanoTraPPED Method. **2023**, 13, 1246 ○
- 32 Effect of Oxyfluorination of PFA-Coated Metal Mesh with Superhydrophobic Properties on the Filtration Performance of SiO₂ Microparticles. **2023**, 28, 3110 ○
- 31 Carbon Tetrafluoride, Oxygen, and Air RF Plasma Modified Low-Density Polyethylene and Polydimethylsiloxane. **2023**, 43, 737-756 ○
- 30 Chlorinated Narrow Bandgap Polymer Suppresses Non-Radiative Recombination Energy Loss Enabling Perylene Diimides-Based Organic Solar Cells Exceeding 10% Efficiency. ○
- 29 Interfacial Effects in Conductivity Measurements of Block Copolymer Electrolytes. ○
- 28 Mechanically robust antifouling coating with dual-functional antifouling strategy by infiltrating PDMS into plasma-sprayed porous Al₂O₃-Cu coating. **2023**, 159, 125-137 ○
- 27 Impact of Proton Irradiation on Medium Density Polyethylene/Carbon Nanocomposites for Space Shielding Applications. **2023**, 13, 1288 ○
- 26 Water-Dispersible Polyurethanes Obtained by the Controlled Alternation of the Segments of Poly(propylene glycol), Poly(ethylene glycol) and Urethane. ○
- 25 Polynomial functions for direct calculation of the surface free energy developed from the Neumann equation of state method. **2023**, 103370 ○
- 24 Solid Additive-Assisted Layer-by-Layer Processing for 19% Efficiency Binary Organic Solar Cells. **2023**, 15, ○
- 23 Molecular Dynamics Investigation of Nanoscale Hydrophobicity of Polymer Surfaces: What Makes Water Wet?. ○
- 22 Comparative study of surface characteristics and shear bond strength of 3D printed and milled 4Y-TZP. **2023**, 50, 69-80 ○
- 21 Influence of Surface Structure on Ball Properties during a Professional Water Polo Game. **2023**, 16, 3048 ○

- 20 Employing impedance spectroscopy to investigate electrical conduction mechanism in polymer composite blends containing conductive masterbatch: PP/EVA/ (PP-g-MA/MWCNTS). 089270572311685 ○
- 19 Boron Carbonitride Films with Tunable Composition: LPCVD and PECVD Synthesis Using Trimethylamine Borane and Nitrogen Mixture and Characterization. **2023**, 13, 4959 ○
- 18 Configuration-dependent photovoltaic properties of diketopyrrolopyrrole (DPP) based Ir complexes for organic solar cells. **2023**, 993, 122714 ○
- 17 Study of Surface Wettability of Mineral Rock Particles by an Improved Washburn Method. ○
- 16 Analysis of tribological behavior of dual-textured Ti-6Al-4V alloy surfaces fabricated using a tool-mimic approach. **2023**, 185, 108527 ○
- 15 New superhydrophobic composite coatings on Mg-Mn-Ce magnesium alloy. **2023**, ○
- 14 N-Type Single Walled Carbon Nanotube Thin Film Transistors Using Green Tri-Layer Polymer Dielectric. ○
- 13 Fabrication of carbon fiber/polyamide 6 composites with water resistance and anti-icing performance using a superhydrophobic fluorinated-polydopamine coating. **2023**, 110048 ○
- 12 Design of super-toughened, heat-resistant and antistatic polyethylene terephthalate-based blend composites by constructing a tenacious interface. **2023**, 125966 ○
- 11 2D MXene-Based Electron Transport Layers for Nonhalogenated Solvent-Processed Stable Organic Solar Cells. ○
- 10 Influence of the Application Time of Silane for the Bonding Performance between Feldspar or Lithium Disilicate Ceramics and Luting Resin Composites. **2023**, 14, 231 ○
- 9 Fluorine Free Surface Modification of Tannin-Furanic Foams by Silylation. **2023**, 111936 ○
- 8 Using Different Surface Energy Models to Assess the Interactions between Antiviral Coating Films and phi6 Model Virus. **2023**, 14, 232 ○
- 7 Polyether-Thiourea-Siloxane Copolymer Based on H-Bonding Interaction for Marine Antifouling. **2023**, 28, 3574 ○
- 6 Hydroxyapatite Thin Films of Marine Origin as Sustainable Candidates for Dental Implants. **2023**, 15, 1294 ○
- 5 Materials. **2023**, 119-187 ○
- 4 Tribological behaviour of a synthetic synovial fluid and polyurethane in biomedical implants. **2023**, 33-34, 100242 ○
- 3 Facile preparation of anti-biofouling nanofiltration membrane using safety inhibitor with high separation performances. **2023**, 11, 110082 ○

- 2 An open microfluidic design for contact angle measurement. **2023**, 19, 100197 ○
- 1 Unraveling the Role of Non-Fullerene Acceptor with High Dielectric Constant in Organic Solar Cells. ○