

Joseph Keddie

List of Publications by Year in descending order

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167
papers

8,179
citations

61857

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174
all docs

174
docs citations

174
times ranked

6283
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Dependent Depression of the Glass Transition Temperature in Polymer Films. <i>Europhysics Letters</i> , 1994, 27, 59-64.	0.7	1,672
2	Interface and surface effects on the glass-transition temperature in thin polymer films. <i>Faraday Discussions</i> , 1994, 98, 219.	1.6	946
3	Fundamentals of Latex Film Formation. Springer Laboratory, 2010, , .	0.2	193
4	Kinetics of Film Formation in Acrylic Latices Studied with Multiple-Angle-of-Incidence Ellipsometry and Environmental SEM. <i>Macromolecules</i> , 1995, 28, 2673-2682.	2.2	172
5	Waterborne, Nanocomposite Pressure-Sensitive Adhesives with High Tack Energy, Optical Transparency, and Electrical Conductivity. <i>Advanced Materials</i> , 2006, 18, 2730-2734.	11.1	130
6	Glass Transition Behavior in Ultra-Thin Polystyrene Films. <i>Israel Journal of Chemistry</i> , 1995, 35, 21-26.	1.0	128
7	Swelling and Deswelling of Adsorbed Microgel Monolayers Triggered by Changes in Temperature, pH, and Electrolyte Concentration. <i>Langmuir</i> , 2006, 22, 5036-5041.	1.6	113
8	Waterborne Polyurethane-Acrylic Hybrid Nanoparticles by Miniemulsion Polymerization: Applications in Pressure-Sensitive Adhesives. <i>Langmuir</i> , 2011, 27, 3878-3888.	1.6	105
9	Dynamic Stratification in Drying Films of Colloidal Mixtures. <i>Physical Review Letters</i> , 2016, 116, 118301.	2.9	105
10	Film Formation of Latex Blends with Bimodal Particle Size Distributions: A Consideration of Particle Deformability and Continuity of the Dispersed Phase. <i>Macromolecules</i> , 2000, 33, 2695-2708.	2.2	104
11	Locking Carbon Nanotubes in Confined Lattice Geometries - A Route to Low Percolation in Conducting Composites. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6395-6400.	1.2	90
12	Distribution of Surfactants near Acrylic Latex Film Surfaces: A Comparison of Conventional and Reactive Surfactants (Surfmers). <i>Langmuir</i> , 2003, 19, 3212-3221.	1.6	89
13	Film Formation of Acrylic Latices with Varying Concentrations of Non-Film-Forming Latex Particles. <i>Langmuir</i> , 1996, 12, 3793-3801.	1.6	85
14	Origins and Effects of a Surfactant Excess near the Surface of Waterborne Acrylic Pressure-Sensitive Adhesives. <i>Langmuir</i> , 2002, 18, 4478-4487.	1.6	83
15	Design and fabrication of colloidal polymer nanocomposites. <i>Advances in Colloid and Interface Science</i> , 2009, 147-148, 319-332.	7.0	80
16	Soft polymer and nano-clay supracolloidal particles in adhesives: synergistic effects on mechanical properties. <i>Soft Matter</i> , 2009, 5, 3842.	1.2	79
17	A critical and quantitative review of the stratification of particles during the drying of colloidal films. <i>Soft Matter</i> , 2018, 14, 6181-6197.	1.2	76
18	Lateral Drying in Thick Films of Waterborne Colloidal Particles. <i>Langmuir</i> , 2001, 17, 3202-3207.	1.6	75

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19	The diacetone acrylamide crosslinking reaction and its influence on the film formation of an acrylic latex. <i>Journal of Coatings Technology Research</i> , 2008, 5, 285-297.	1.2	73
20	Deformation and adhesion of a periodic soft-soft nanocomposite designed with structured polymer colloid particles. <i>Soft Matter</i> , 2009, 5, 1440.	1.2	71
21	Autostratification in Drying Colloidal Dispersions: Experimental Investigations. <i>Langmuir</i> , 2012, 28, 3420-3428.	1.6	70
22	Direct x-ray detection with conjugated polymer devices. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	67
23	Correlation of Silicone Incorporation into Hybrid Acrylic Coatings with the Resulting Hydrophobic and Thermal Properties. <i>Macromolecules</i> , 2008, 41, 8537-8546.	2.2	66
24	Effect of Heating Rate on the Sintering of Titanium Dioxide Thin Films: Competition between Densification and Crystallization. <i>Journal of the American Ceramic Society</i> , 1991, 74, 2669-2671.	1.9	64
25	Structural analysis of organic interfacial layers by ellipsometry. <i>Current Opinion in Colloid and Interface Science</i> , 2001, 6, 102-110.	3.4	64
26	Vertical water distribution during the drying of polymer films cast from aqueous emulsions. <i>European Physical Journal E</i> , 2002, 8, 421-429.	0.7	64
27	Interrelationship between Densification, Crystallization, and Chemical Evolution in Sol-Gel Titania Thin Films. <i>Journal of the American Ceramic Society</i> , 1994, 77, 1592-1596.	1.9	62
28	Surfactant concentration and morphology at the surfaces of acrylic latex films. <i>Progress in Organic Coatings</i> , 1999, 35, 89-99.	1.9	61
29	The dependence of the rate of crosslinking in poly(dimethyl siloxane) on the thickness of coatings. <i>Polymer</i> , 2003, 44, 4829-4838.	1.8	61
30	Heavy metallic oxide nanoparticles for enhanced sensitivity in semiconducting polymer x-ray detectors. <i>Nanotechnology</i> , 2012, 23, 235502.	1.3	60
31	Stratification in binary colloidal polymer films: experiment and simulations. <i>Soft Matter</i> , 2017, 13, 6969-6980.	1.2	60
32	Equilibrium Swelling of Hydrophilic Polyacrylates in Humid Environments. <i>Macromolecules</i> , 1999, 32, 136-144.	2.2	59
33	Characterization of thick film poly(triarylamine) semiconductor diodes for direct x-ray detection. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	57
34	pH Dependence of the Properties of Waterborne Pressure-Sensitive Adhesives Containing Acrylic Acid. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 631-639.	4.0	56
35	High charge-carrier mobilities in blends of poly(triarylamine) and TIPS-pentacene leading to better performing X-ray sensors. <i>Organic Electronics</i> , 2011, 12, 1903-1908.	1.4	56
36	Thickness dependence of structural relaxation in spin-cast, glassy polymer thin films. <i>Physical Review E</i> , 2004, 70, 051805.	0.8	55

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37	Hydrophilic MacroRAFT-Mediated Emulsion Polymerization: Synthesis of Latexes for Cross-Linked and Surfactant-Free Films. <i>Macromolecules</i> , 2017, 50, 9315-9328.	2.2	52
38	Enhanced x-ray detection sensitivity in semiconducting polymer diodes containing metallic nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 275102.	1.3	50
39	Achieving a Stable Time Response in Polymeric Radiation Sensors under Charge Injection by X-rays. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1692-1699.	4.0	49
40	Enhanced Water Barrier Properties of Surfactant-Free Polymer Films Obtained by MacroRAFT-Mediated Emulsion Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11221-11232.	4.0	48
41	Mechanochromic and Thermochromic Sensors Based on Graphene Infused Polymer Opals. <i>Advanced Functional Materials</i> , 2020, 30, 2002473.	7.8	48
42	Protein Nanopatterning on Self-Organized Poly(styrene- <i>b</i> -isoprene) Thin Film Templates. <i>Langmuir</i> , 2009, 25, 4526-4534.	1.6	46
43	Correlating Particle Deformation with Water Concentration Profiles during Latex Film Formation: Reasons That Softer Latex Films Take Longer to Dry. <i>Langmuir</i> , 2014, 30, 9672-9681.	1.6	46
44	Structural relaxation of spin-cast glassy polymer thin films as a possible factor in dewetting. <i>European Physical Journal E</i> , 2003, 12, 437-441.	0.7	45
45	The fine dispersion of functionalized carbon nanotubes in acrylic latex coatings. <i>Progress in Organic Coatings</i> , 2006, 57, 91-97.	1.9	44
46	Switching Off the Tackiness of a Nanocomposite Adhesive in 30 s via Infrared Sintering. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5442-5452.	4.0	44
47	The reduced adsorption of lysozyme at the phosphorylcholine incorporated polymer/aqueous solution interface studied by spectroscopic ellipsometry. <i>Biomaterials</i> , 1999, 20, 1501-1511.	5.7	43
48	Influence of interfaces on the rates of crosslinking in poly(dimethyl siloxane) coatings. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1421-1431.	2.5	43
49	Obtaining and Interpreting Images of Waterborne Acrylic Pressure-Sensitive Adhesives by Tapping-Mode Atomic Force Microscopy. <i>Langmuir</i> , 2001, 17, 7022-7031.	1.6	42
50	Magnetic-resonance determination of the spatial dependence of the droplet size distribution in the cream layer of oil-in-water emulsions: Evidence for the effects of depletion flocculation. <i>Physical Review E</i> , 1999, 59, 874-884.	0.8	41
51	Fast Assembly of Gold Nanoparticles in Large-Area 2D Nanogrids Using a One-Step, Near-Infrared Radiation-Assisted Evaporation Process. <i>ACS Nano</i> , 2016, 10, 2232-2242.	7.3	41
52	Simultaneous free radical and addition miniemulsion polymerization: Effect of the diol on the microstructure of polyurethane-acrylic pressure-sensitive adhesives. <i>Polymer</i> , 2011, 52, 3021-3030.	1.8	40
53	pH-Switchable Stratification of Colloidal Coatings: Surfaces "On Demand". <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34755-34761.	4.0	40
54	Skin Development during the Film Formation of Waterborne Acrylic Pressure-Sensitive Adhesives Containing Tackifying Resin. <i>Journal of Adhesion</i> , 2006, 82, 217-238.	1.8	39

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55	Heterogeneous Drying of Colloidal Polymer Films: Dependence on Added Salt. <i>Langmuir</i> , 2008, 24, 7580-7589.	1.6	39
56	Processing and characterisation of sol-gel deposited Ta ₂ O ₅ and TiO ₂ -Ta ₂ O ₅ dielectric thin films. <i>Solid-State Electronics</i> , 1999, 43, 1095-1099.	0.8	38
57	Depth Profiles of Polymer Mobility during the Film Formation of a Latex Dispersion Undergoing Photoinitiated Cross-Linking. <i>Macromolecules</i> , 2000, 33, 8443-8452.	2.2	38
58	Lateral Transport of Water during Drying of Alkyd Emulsions. <i>Langmuir</i> , 2000, 16, 1057-1065.	1.6	38
59	pH-Controlled Adsorption of Polyelectrolyte Diblock Copolymers at the Solid/Liquid Interface. <i>Langmuir</i> , 2000, 16, 5980-5986.	1.6	38
60	Influence of drier combination on through-drying in waterborne alkyd emulsion coatings observed with magnetic resonance profiling. <i>Journal of Coatings Technology</i> , 2002, 74, 113-124.	0.7	38
61	Absorption of Cetylpyridinium Chloride into Poly(<i>N</i> -isopropylacrylamide)-Based Microgel Particles, in Dispersion and as Surface-Deposited Monolayers. <i>Langmuir</i> , 2007, 23, 9572-9577.	1.6	37
62	Influence of Polyol Molecular Weight and Type on the Tack and Peel Properties of Waterborne Polyurethane Pressure-Sensitive Adhesives. <i>Macromolecular Reaction Engineering</i> , 2013, 7, 493-503.	0.9	37
63	Probing particle structure in waterborne pressure-sensitive adhesives with atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 56-63.	5.0	36
64	Adhesion of microorganisms to bovine submaxillary mucin coatings: effect of coating deposition conditions. <i>Biofouling</i> , 2010, 26, 387-397.	0.8	35
65	Explanations for water whitening in secondary dispersion and emulsion polymer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1658-1674.	2.4	34
66	Ion-Beam-Induced Densification of Zirconia Sol-Gel Thin Films. <i>Journal of the American Ceramic Society</i> , 1993, 76, 1369-1372.	1.9	33
67	A Molecular Mechanism for Toughening and Strengthening Waterborne Nanocomposites. <i>Advanced Materials</i> , 2008, 20, 90-94.	11.1	33
68	Hydrogen-Bonding-Driven Self-Assembly of PEGylated Organosilica Nanoparticles with Poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 299-306.	1.6	33
69	Mechanical properties of a waterborne pressure-sensitive adhesive with a percolating poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 448, 8-16.	5.0	33
70	Rate-Limiting Steps in Film Formation of Acrylic Latices as Elucidated with Ellipsometry and Environmental Scanning Electron Microscopy. <i>ACS Symposium Series</i> , 1996, , 332-348.	0.5	31
71	Structure of self-assembled layers on silicon: Combined use of spectroscopic variable angle ellipsometry, neutron reflection, and atomic force microscopy. <i>Journal of Applied Physics</i> , 1999, 85, 868-875.	1.1	31
72	Influence of the glass transition on solvent loss from spin-cast glassy polymer thin films. <i>European Physical Journal E</i> , 2003, 12, 87-91.	0.7	31

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73	An experimental test of the scaling prediction for the spatial distribution of water during the drying of colloidal films. <i>European Physical Journal: Special Topics</i> , 2009, 166, 21-27.	1.2	31
74	Transformation of waterborne hybrid polymer particles into films: Morphology development and modeling. <i>Polymer</i> , 2012, 53, 1098-1108.	1.8	31
75	Electrically conducting glasses: incorporation of polypyrrole in a porous SiO ₂ matrix. <i>Journal of Non-Crystalline Solids</i> , 1991, 136, 97-102.	1.5	30
76	New techniques for determining the extent of crosslinking in coatings. <i>Progress in Organic Coatings</i> , 2001, 43, 85-98.	1.9	30
77	Spectroscopic Ellipsometry of Mucin Layers on an Amphiphilic Diblock Copolymer Surface. <i>Applied Spectroscopy</i> , 2009, 63, 889-898.	1.2	30
78	Magnetic resonance profiling studies of the drying of film-forming aqueous dispersions and glue layers. <i>Magnetic Resonance Imaging</i> , 2003, 21, 235-241.	1.0	29
79	Lateral surface nonuniformities in drying latex films. <i>AIChE Journal</i> , 2008, 54, 3092-3105.	1.8	28
80	Importance of Molecular Friction in a Soft Polymer~Nanotube Nanocomposite. <i>Macromolecules</i> , 2008, 41, 7656-7661.	2.2	28
81	Waterborne, Semicrystalline, Pressure-Sensitive Adhesives with Temperature-Responsiveness and Optimum Properties. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 443-451.	4.0	28
82	Cell adhesion on nanopatterned fibronectin substrates. <i>Soft Matter</i> , 2010, 6, 5408.	1.2	28
83	Simultaneous Free~Radical and Addition Miniemulsion Polymerization: Effect of the Chain Transfer Agent on the Microstructure of Polyurethane~Acrylic Pressure~Sensitive Adhesives. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 53-66.	1.7	28
84	Water Vapor Sorption and Diffusion in Secondary Dispersion Barrier Coatings: A Critical Comparison with Emulsion Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12147-12157.	4.0	28
85	Resolving the Film-Formation Dilemma with Infrared Radiation-Assisted Sintering. <i>Langmuir</i> , 2011, 27, 2176-2180.	1.6	26
86	Use of a Routh~Russel Deformation Map To Achieve Film Formation of a Latex with a High Glass Transition Temperature. <i>Langmuir</i> , 2013, 29, 2044-2053.	1.6	26
87	Reactive Polymorphic Nanoparticles: Preparation via Polymerization~Induced Self~Assembly and Postsynthesis Thiol~Fluoro Core Modification. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800346.	2.0	26
88	Protein adsorption on materials for recording sites on implantable microelectrodes. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 143-151.	1.7	25
89	A Comparison of Tackified, Miniemulsion Core~Shell Acrylic Latex Films with Corresponding Particle-Blend Films: Structure~Property Relationships. <i>Langmuir</i> , 2009, 25, 11021-11031.	1.6	25
90	Colloid~Assisted Self~Assembly of Robust, Three~Dimensional Networks of Carbon Nanotubes over Large Areas. <i>Macromolecular Rapid Communications</i> , 2010, 31, 609-615.	2.0	25

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91	Cross-Linked Network Development in Compatibilized Alkyd/Acrylic Hybrid Latex Films for the Creation of Hard Coatings. <i>Langmuir</i> , 2010, 26, 14323-14333.	1.6	25
92	Bespoke periodic topography in hard polymer films by infrared radiation-assisted evaporative lithography. <i>Soft Matter</i> , 2011, 7, 11098.	1.2	25
93	Surface levelling of thermosetting powder coatings: theory and experiment. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1975-1981.	1.3	24
94	Bayesian inference analysis of ellipsometry data. <i>Physical Review E</i> , 1999, 59, 6138-6151.	0.8	22
95	Film Formation of High T_g Latex Using Hydroplasticization: Explanations from NMR Relaxometry. <i>Langmuir</i> , 2019, 35, 12418-12427.	1.6	22
96	Concentration Profiles in Creaming Oil-in-Water Emulsion Layers Determined with Stray Field Magnetic Resonance Imaging. <i>Langmuir</i> , 1997, 13, 3621-3626.	1.6	21
97	Adsorption of Penta(ethylene glycol) Monododecyl Ether at the Solid Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf_50 502 Td	1.6	21
98	Drying Modes of Polymer Colloids. <i>ACS Symposium Series</i> , 2001, , 2-26.	0.5	21
99	Morphology and elasticity of waterborne acrylic pressure-sensitive adhesives investigated with atomic force microscopy. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 243-259.	1.4	21
100	Direct detection of 6 MV x-rays from a medical linear accelerator using a semiconducting polymer diode. <i>Physics in Medicine and Biology</i> , 2013, 58, 4471-4482.	1.6	20
101	MoS ₂ Nanoplatelet Fillers for Enhancement of the Properties of Waterborne Pressure-Sensitive Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22640-22648.	4.0	20
102	Design of Waterborne Nanoceria/Polymer Nanocomposite UV-Absorbing Coatings: Pickering versus Blended Particles. <i>ACS Applied Nano Materials</i> , 2018, 1, 3956-3968.	2.4	20
103	Sphere-to-worm morphological transitions and size changes through thiol- α -fluoro core modification of PISA-made nano-objects. <i>Polymer Chemistry</i> , 2020, 11, 704-711.	1.9	20
104	Ion-Beam Analysis of Silica Sol-Gel Films: Structural and Compositional Evolution. <i>Journal of the American Ceramic Society</i> , 1990, 73, 3106-3109.	1.9	19
105	The Uptake and Release of Cationic Surfactant from polyampholyte Microgel Particles in Dispersion and as an Adsorbed Monolayer. <i>Langmuir</i> , 2009, 25, 9677-9683.	1.6	19
106	Effect of Nitridation Rate on the Composition and Conductivity of Titanium Nitride Films Prepared from Sol-Gel Titania. <i>Journal of the American Ceramic Society</i> , 1991, 74, 2937-2940.	1.9	18
107	Does the β Polymorph of Glycine Nucleate Faster? A Quantitative Study of Nucleation from Aqueous Solution. <i>Crystal Growth and Design</i> , 2015, 15, 5345-5354.	1.4	18
108	In Situ Monitoring of Latex Film Formation by Small-Angle Neutron Scattering: Evolving Distributions of Hydrophilic Stabilizers in Drying Colloidal Films. <i>Langmuir</i> , 2019, 35, 3822-3831.	1.6	18

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109	An alternative approach to the modification of talc for the fabrication of polypropylene/talc composites. <i>Journal of Applied Polymer Science</i> , 2007, 106, 386-393.	1.3	16
110	Bandgap enhancement of layered nanocrystalline silicon from excimer laser crystallization. <i>Nanotechnology</i> , 2006, 17, 5412-5416.	1.3	15
111	Probing the early stages of solvent evaporation and relaxation in solvent-cast polymer thin films by spectroscopic ellipsometry. <i>Surface and Interface Analysis</i> , 2011, 43, 1448-1452.	0.8	15
112	Colloidal polymer composites: Are nano-fillers always better for improving mechanical properties?. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 45-55.	5.0	15
113	Diffusiophoresis-Driven Stratification of Polymers in Colloidal Films. <i>ACS Macro Letters</i> , 2020, 9, 1286-1291.	2.3	15
114	Pickering emulsions stabilized by carboxylated nanodiamonds over a broad pH range. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2025-2038.	5.0	15
115	Water vapour sorption by the pedal mucus trail of a land snail. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 33, 251-258.	2.5	14
116	Flexible radiation dosimeters incorporating semiconducting polymer thick films. <i>Proceedings of SPIE</i> , 2009, , .	0.8	14
117	Directed organization of gold nanoparticles in polymer coatings through infrared-assisted evaporative lithography. <i>Chemical Communications</i> , 2013, 49, 4253-4255.	2.2	14
118	Determination of parameters for self-stratification in bimodal colloidal coatings using Raman depth profiling. <i>Progress in Organic Coatings</i> , 2021, 157, 106272.	1.9	14
119	High-performance water-based barrier coatings for the corrosion protection of structural steel. <i>Steel Construction</i> , 2017, 10, 254-259.	0.4	13
120	Optical functions and critical points of dilute bismide alloys studied by spectroscopic ellipsometry. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	13
121	Use of ellipsometry and gravimetry to develop calibration standards for measuring silicone coat weight and thickness with x-ray fluorescence spectroscopy. <i>Surface and Interface Analysis</i> , 2000, 29, 341-345.	0.8	12
122	Introducing Porosity in Colloidal Biocoatings to Increase Bacterial Viability. <i>Biomacromolecules</i> , 2020, 21, 4545-4558.	2.6	12
123	Fickian Ingress of Binary Solvent Mixtures into Glassy Polymer. <i>Macromolecules</i> , 2001, 34, 890-895.	2.2	11
124	Aesthetically textured, hard latex coatings by fast IR-assisted evaporative lithography. <i>Progress in Organic Coatings</i> , 2013, 76, 1786-1791.	1.9	11
125	Giant bowing of the band gap and spin-orbit splitting energy in GaP $_{1-x}$ Bi $_x$ dilute bismide alloys. <i>Scientific Reports</i> , 2019, 9, 6835.	1.6	11
126	Relationship between Water Desorption and Low-Temperature Densification of Colloidal Anatase Thin Films. <i>Journal of the American Ceramic Society</i> , 1993, 76, 2529-2533.	1.9	10

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127	Nano-mechanical properties and topography of thermosetting acrylic powder coatings. <i>Journal of Coatings Technology</i> , 2001, 73, 65-73.	0.7	10
128	Surfactant Distribution in Latex Films. Springer Laboratory, 2010, , 185-212.	0.2	9
129	Suppression of self-stratification in colloidal mixtures with high Péclet numbers. <i>Soft Matter</i> , 2022, 18, 2512-2516.	1.2	9
130	Importance of Capillary Forces in the Assembly of Carbon Nanotubes in a Polymer Colloid Lattice. <i>Langmuir</i> , 2012, 28, 8266-8274.	1.6	8
131	Azide Photochemistry in Acrylic Copolymers for Ultraviolet Cross-Linkable Pressure-Sensitive Adhesives: Optimization, Debonding-on-Demand, and Chemical Modification. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30216-30227.	4.0	8
132	Water sorption in polymer network films synthesised from PEO oligomers containing acrylic and vinyl ether functionalities. <i>Polymer Bulletin</i> , 2000, 45, 431-438.	1.7	7
133	Infrared ellipsometry of interdiffusion in thin films of miscible polymers. <i>Surface and Interface Analysis</i> , 2005, 37, 33-41.	0.8	7
134	Enhanced Thermal Actuation in Thin Polymer Films Through Particle Nano-Squeezing by Carbon Nanotube Belts. <i>Advanced Materials</i> , 2010, 22, 5310-5314.	11.1	7
135	Optimization of adhesive performance of waterborne poly(urethane-urea)s for adhesion on high and low surface energy surfaces. <i>Progress in Organic Coatings</i> , 2020, 140, 105495.	1.9	7
136	Boron-Loaded Polymeric Sensor for the Direct Detection of Thermal Neutrons. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33050-33057.	4.0	7
137	Watching paint dry: Magnetic resonance imaging of soft condensed matter. <i>Europhysics News</i> , 2002, 33, 48-51.	0.1	6
138	Evidence from infrared ellipsometry for covalent bonding at a polymer/polymer interface with relevance to "lock-up" in pressure-sensitive adhesive laminates. <i>Journal of Adhesion</i> , 2003, 79, 1207-1218.	1.8	6
139	Optical Interference Filters By Sol-Gel Processing. <i>Materials Research Society Symposia Proceedings</i> , 1990, 180, 383.	0.1	5
140	Microstructural Evolution of TiO ₂ Sol-Gel Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1990, 180, 425.	0.1	5
141	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 4759-4768.	1.7	5
142	Some insights into the structural relaxation of spin-cast, glassy polymer thin films. <i>Polymer Journal</i> , 2011, 43, 214-217.	1.3	5
143	Large-Area Patterning of the Tackiness of a Nanocomposite Adhesive by Sintering of Nanoparticles under IR Radiation. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2137-2145.	4.0	5
144	Acrylic-Alkyd Hybrids: Secondary Nucleation, Particle Morphology, and Limiting Conversions. <i>Macromolecular Reaction Engineering</i> , 2014, 8, 622-638.	0.9	5

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145	Tightening of gelatin chemically crosslinked networks assisted by physical gelation. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1850-1858.	2.4	5
146	Controlling the crystal polymorph by exploiting the time dependence of nucleation rates. Journal of Chemical Physics, 2017, 147, 144505.	1.2	5
147	Thermodynamics of Model P ₁ MSAN/dPMMA Blend: A Combined Study by SANS, Ellipsometry, and Locally Correlated Lattice (LCL) Theory. Macromolecules, 2020, 53, 7084-7095.	2.2	5
148	An Introduction to Latex and the Principles of Colloidal Stability. Springer Laboratory, 2010, , 1-26.	0.2	5
149	Neutron Reflectometry Characterization of Interface Width between Sol-Gel Titanium Dioxide and Silicon Dioxide Thin Films. Journal of the American Ceramic Society, 1993, 76, 2534-2538.	1.9	4
150	Depression of the Glass Transition Temperature in Ultra-Thin, Grafted Polystyrene Films. Materials Research Society Symposia Proceedings, 1994, 366, 183.	0.1	4
151	Molecular Weight Effects on the Film Formation of Latex and on Surfactant Distribution and Morphology. ACS Symposium Series, 2001, , 58-87.	0.5	4
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