Richard Anthony Lewis Jones

List of Publications by Year
in descending order

78 papers	4,676 citations	159585 30 h-index	95266 68 g-index
78 all docs	78 docs citations	78 times ranked	4404 citing authors

#	Article	IF	Citations
1	Size-Dependent Depression of the Glass Transition Temperature in Polymer Films. Europhysics Letters, 1994, 27, 59-64.	2.0	1,672
2	Anisotropic spinodal dewetting as a route to self-assembly of patterned surfaces. Nature, 2000, 404, 476-478.	27.8	359
3	Kinetics of Film Formation in Acrylic Latices Studied with Multiple-Angle-of-Incidence Ellipsometry and Environmental SEM. Macromolecules, 1995, 28, 2673-2682.	4.8	172
4	Unfolding and Intermolecular Association in Globular Proteins Adsorbed at Interfaces. Langmuir, 1999, 15, 5102-5110.	3.5	133
5	Kinetics of the Simultaneous Phase Separation and Gelation in Solutions of Dextran and Gelatin. Macromolecules, 1995, 28, 4129-4138.	4.8	120
6	The Form of the Enriched Surface Layer in Polymer Blends. Europhysics Letters, 1990, 12, 41-46.	2.0	114
7	Surface Denaturation and Amyloid Fibril Formation of Insulin at Model Lipidâ^'Water Interfaces. Biochemistry, 2002, 41, 15810-15819.	2.5	110
8	Conformational changes in adsorbed proteins. Langmuir, 1995, 11, 3542-3548.	3.5	107
9	Effect of physical ageing in thin glassy polymer films. European Physical Journal E, 2003, 10, 223-230.	1.6	107
10	Responsive brushes and gels as components of soft nanotechnology. Faraday Discussions, 2005, 128, 55-74.	3.2	90
11	Determination of the concentration profile at the surface of deuterated polystyrene/hydrogenated polystyrene blends using high-resolution ion scattering techniques. Macromolecules, 1991, 24, 5991-5996.	4.8	86
12	Quantitative evaluation of evaporation rate during spin-coating of polymer blend films: Control of film structure through defined-atmosphere solvent-casting. European Physical Journal E, 2010, 33, 283-289.	1.6	77
13	Synthesis, characterization and swelling behaviour of poly(methacrylic acid) brushes synthesized using atom transfer radical polymerization. Polymer, 2009, 50, 1005-1014.	3.8	76
14	Adsorption and displacement of a globular protein on hydrophilic and hydrophobic surfaces. Colloids and Surfaces B: Biointerfaces, 2002, 23, 31-42.	5.0	74
15	Enrichment depth profiles in polymer blends measured by forward recoil spectrometry. Applied Physics Letters, 1989, 54, 590-592.	3.3	72
16	Mapping the Fluorescence Decay Lifetime of a Conjugated Polymer in a Phase-Separated Blend Using a Scanning Near-Field Optical Microscope. Nano Letters, 2005, 5, 2232-2237.	9.1	68
17	Swelling of Poly(dl-lactide) and Polylactide-co-glycolide in Humid Environments. Macromolecules, 2001, 34, 8752-8760.	4.8	64
18	The role of surface-induced ordering in the crystallisation of PET films. Europhysics Letters, 2002, 58, 844-850.	2.0	62

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19	Surface-Mediated Folding and Misfolding of Proteins at Lipid/Water Interfaces. Langmuir, 2002, 18, 4854-4861.	3.5	58
20	Mutual diffusion in a miscible polymer blend. Nature, 1986, 321, 161-162.	27.8	57
21	The Structure of Grafted Polystyrene Layers in a Range of Matrix Polymers. Macromolecules, 1995, 28, 2042-2049.	4.8	57
22	Polymers: the quest for motility. Materials Today, 2008, 11, 20-23.	14.2	56
23	The interplay between the optical and electronic properties of light-emitting-diode applicable conjugated polymer blends and their phase-separated morphology. Organic Electronics, 2005, 6, 35-45.	2.6	53
24	Dynamics of polymer film formation during spin coating. Journal of Applied Physics, 2014, 116, .	2.5	44
25	Neutron Reflectometry Study of Surface Segregation in an Isotopic Poly(ethylenepropylene) Blend: Deviation from Mean-Field Theory. Macromolecules, 1995, 28, 8621-8628.	4.8	43
26	Correlating the electron-donating core structure with morphology and performance of carbon oxygen-bridged ladder-type non-fullerene acceptor based organic solar cells. Nano Energy, 2019, 61, 318-326.	16.0	43
27	Swelling-induced morphology in ultrathin supported films ofpoly(d,lâ˜lactide). Physical Review E, 2002, 66, 011801.	2.1	39
28	Glasses with liquid-like surfaces. Nature Materials, 2003, 2, 645-646.	27.5	39
29	When it pays to ask the public. Nature Nanotechnology, 2008, 3, 578-579.	31.5	37
30	Effect of long-range forces on surface enrichment in polymer blends. Physical Review E, 1993, 47, 1437-1440.	2.1	34
31	A solution concentration dependent transition from self-stratification to lateral phase separation in spin-cast PS:d-PMMA thin films. European Physical Journal E, 2010, 31, 369-375.	1.6	29
32	Mechanical Actuation by Responsive Polyelectrolyte Brushes and Triblock Gels. Journal of Macromolecular Science - Physics, 2005, 44, 1103-1121.	1.0	28
33	Why nanotechnology needs better polymer chemistry. Nature Nanotechnology, 2008, 3, 699-700.	31.5	27
34	The timescale of spinodal dewetting at a polymer/polymer interface. European Physical Journal E, 2002, 8, 137-143.	1.6	25
35	The future of nanotechnology. Physics World, 2004, 17, 25-29.	0.0	25
36	The efficiency of encapsulation within surface rehydrated polymersomes. Faraday Discussions, 2009, 143, 29.	3.2	25

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37	Controlled growth of poly (2-(diethylamino)ethyl methacrylate) brushes via atom transfer radical polymerisation on planar silicon surfaces. Polymer International, 2006, 55, 808-815.	3.1	24
38	Can nanotechnology ever prove that it is green?. Nature Nanotechnology, 2007, 2, 71-72.	31.5	23
39	Interface width of low-molecular-weight immiscible polymers. Journal of Physics Condensed Matter, 2001, 13, 10269-10277.	1.8	22
40	Measurement of adhesion energies and Young's modulus in thin polymer films using a novel axi-symmetric peel test geometry. European Physical Journal E, 2006, 19, 453-459.	1.6	21
41	The morphology of as-cast films of a polymer blend: Dependence on polymer molecular weight. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 1307-1311.	2.1	20
42	Interdiffusion in blends of deuterated polystyrene and poly(Î±-methylstyrene). Polymer, 1999, 40, 2323-2329.	3.8	20
43	Crystallizing the nanotechnology debate. Technology Analysis and Strategic Management, 2008, 20, 13-27.	3.5	20
44	Interface Formation in a Partially Miscible Polymer Blend. Europhysics Letters, 1988, 5, 657-662.	2.0	19
45	Current-induced chain migration in semiconductor polymer blends. Physical Review B, 2005, 71, .	3.2	19
46	What have we learned from public engagement?. Nature Nanotechnology, 2007, 2, 262-263.	31.5	17
47	Kinetics of formation of interfaces between immiscible polymers. Philosophical Magazine Letters, 2000, 80, 561-567.	1.2	16
48	A neutron reflectometry study of the interface between poly(9,9-dioctylfluorene) and poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	16
49	Biology, Drexler, and nanotechnology. Materials Today, 2005, 8, 56.	14.2	16
50	The economy of promises. Nature Nanotechnology, 2008, 3, 65-66.	31.5	14
51	Nanotechnology, energy and markets. Nature Nanotechnology, 2009, 4, 75-75.	31.5	13
52	Early stages of polymer interdiffusion. Physical Review E, 2003, 67, 052801.	2.1	11
53	The effects of long-ranged and short-ranged forces in confined near-critical polymeric liquids. Europhysics Letters, 2005, 71, 763-769.	2.0	11
54	Approaching criticality in polymer-polymer systems. Physical Review E, 2005, 72, 031807.	2.1	11

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55	A neutron spin echo resolved grazing incidence scattering study of crystallites in organic photovoltaic thin films. Applied Physics Letters, 2013, 102, .	3.3	10
56	Early-stage roughening of the polymer-polymer interface approaching the glass transition temperature by real-time neutron reflection. Physical Review E, 2006, 73, 061804.	2.1	8
57	Computing with molecules. Nature Nanotechnology, 2009, 4, 207-207.	31.5	8
58	Small Molecule Segregation at Polymer Interfaces. Macromolecules, 2009, 42, 8844-8850.	4.8	8
59	Chain length effects on confined polymer/polymer interfaces. Europhysics Letters, 2006, 75, 274-280.	2.0	6
60	The question of complexity. Nature Nanotechnology, 2008, 3, 245-246.	31.5	5
61	Are you a responsible nanoscientist?. Nature Nanotechnology, 2009, 4, 336-336.	31.5	5
62	Study of the polymer surfaces with improved resolution FRES. Hyperfine Interactions, 1990, 62, 45-53.	0.5	4
63	Biomimetic nanotechnology with synthetic macromolecules. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3367-3368.	2.1	4
64	Are natural resources a curse?. Nature Nanotechnology, 2007, 2, 665-666.	31.5	4
65	The production of knowledge. Nature Nanotechnology, 2008, 3, 448-449.	31.5	4
66	New materials, old challenges. Nature Nanotechnology, 2007, 2, 453-454.	31.5	3
67	Rupturing the nanotech rapture. IEEE Spectrum, 2008, 45, 64-67.	0.7	3
68	It's not just about nanotoxicology. Nature Nanotechnology, 2009, 4, 615-615.	31.5	3
69	Feynman's unfinished business. Nature Nanotechnology, 2009, 4, 785-785.	31.5	2
70	Application of mean-field theory to the spin casting of polystyrene and poly(methyl methacrylate) blend films from toluene. Polymer, 2019, 178, 121578.	3.8	2
71	A toolbox approach to adhesive design. Reactive and Functional Polymers, 2006, 66, 41-49.	4.1	1
72	Profile retrieval of a buried periodic structure using spin echo grazing incidence neutron scattering. Applied Physics Letters, 2020, 116, 101602.	3.3	1

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73	Heat-treatment and Displacement of Adsorbed Lysozyme Layers. Polymer Journal, 2005, 37, 789-792.	2.7	0
74	The muddle in the middle. Physics World, 2007, 20, 40-40.	0.0	0
75	Designs for living. Nature Nanotechnology, 2009, 4, 471-471.	31.5	0
76	Controlling Phoretic Swimmer Trajectory. Materials Research Society Symposia Proceedings, 2011, 1346, 1.	0.1	0
77	Interaction of partially denatured insulin with a DSPC floating lipid bilayer. Soft Matter, 2016, 12, 824-829.	2.7	0
78	Between Promise, Fear and Disillusion: Two Decades of Public Engagement Around Nanotechnology. , 2018, , .		0