

# Richard Anthony Lewis Jones

## List of Publications by Year in descending order

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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	Profile retrieval of a buried periodic structure using spin echo grazing incidence neutron scattering. Applied Physics Letters, 2020, 116, 101602.	3.3	1
2	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
3	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
4	Between Promise, Fear and Disillusion: Two Decades of Public Engagement Around Nanotechnology. , 2018, , .		0
5	Interaction of partially denatured insulin with a DSPC floating lipid bilayer. Soft Matter, 2016, 12, 824-829.	2.7	0
6	Dynamics of polymer film formation during spin coating. Journal of Applied Physics, 2014, 116, .	2.5	44
7	A neutron spin echo resolved grazing incidence scattering study of crystallites in organic photovoltaic thin films. Applied Physics Letters, 2013, 102, .	3.3	10
8	Controlling Phoretic Swimmer Trajectory. Materials Research Society Symposia Proceedings, 2011, 1346, 1.	0.1	0
9	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
10	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
11	Nanotechnology, energy and markets. Nature Nanotechnology, 2009, 4, 75-75.	31.5	13
12	Are you a responsible nanoscientist?. Nature Nanotechnology, 2009, 4, 336-336.	31.5	5
13	Designs for living. Nature Nanotechnology, 2009, 4, 471-471.	31.5	0
14	It's not just about nanotoxicology. Nature Nanotechnology, 2009, 4, 615-615.	31.5	3
15	Feynman's unfinished business. Nature Nanotechnology, 2009, 4, 785-785.	31.5	2
16	Computing with molecules. Nature Nanotechnology, 2009, 4, 207-207.	31.5	8
17	Synthesis, characterization and swelling behaviour of poly(methacrylic acid) brushes synthesized using atom transfer radical polymerization. Polymer, 2009, 50, 1005-1014.	3.8	76
18	Small Molecule Segregation at Polymer Interfaces. Macromolecules, 2009, 42, 8844-8850.	4.8	8

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19	The efficiency of encapsulation within surface rehydrated polymersomes. Faraday Discussions, 2009, 143, 29.	3.2	25
20	Polymers: the quest for motility. Materials Today, 2008, 11, 20-23.	14.2	56
21	The question of complexity. Nature Nanotechnology, 2008, 3, 245-246.	31.5	5
22	The economy of promises. Nature Nanotechnology, 2008, 3, 65-66.	31.5	14
23	The production of knowledge. Nature Nanotechnology, 2008, 3, 448-449.	31.5	4
24	When it pays to ask the public. Nature Nanotechnology, 2008, 3, 578-579.	31.5	37
25	Why nanotechnology needs better polymer chemistry. Nature Nanotechnology, 2008, 3, 699-700.	31.5	27
26	Crystallizing the nanotechnology debate. Technology Analysis and Strategic Management, 2008, 20, 13-27.	3.5	20
27	Rupturing the nanotech rapture. IEEE Spectrum, 2008, 45, 64-67.	0.7	3
28	The muddle in the middle. Physics World, 2007, 20, 40-40.	0.0	0
29	Can nanotechnology ever prove that it is green?. Nature Nanotechnology, 2007, 2, 71-72.	31.5	23
30	What have we learned from public engagement?. Nature Nanotechnology, 2007, 2, 262-263.	31.5	17
31	New materials, old challenges. Nature Nanotechnology, 2007, 2, 453-454.	31.5	3
32	Are natural resources a curse?. Nature Nanotechnology, 2007, 2, 665-666.	31.5	4
33	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
34	A toolbox approach to adhesive design. Reactive and Functional Polymers, 2006, 66, 41-49.	4.1	1
35	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
36	Chain length effects on confined polymer/polymer interfaces. Europhysics Letters, 2006, 75, 274-280.	2.0	6

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37	Early-stage roughening of the polymer-polymer interface approaching the glass transition temperature by real-time neutron reflection. <i>Physical Review E</i> , 2006, 73, 061804.	2.1	8
38	Heat-treatment and Displacement of Adsorbed Lysozyme Layers. <i>Polymer Journal</i> , 2005, 37, 789-792.	2.7	0
39	The effects of long-ranged and short-ranged forces in confined near-critical polymeric liquids. <i>Europhysics Letters</i> , 2005, 71, 763-769.	2.0	11
40	The interplay between the optical and electronic properties of light-emitting-diode applicable conjugated polymer blends and their phase-separated morphology. <i>Organic Electronics</i> , 2005, 6, 35-45.	2.6	53
41	Biology, Drexler, and nanotechnology. <i>Materials Today</i> , 2005, 8, 56.	14.2	16
42	Biomimetic nanotechnology with synthetic macromolecules. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3367-3368.	2.1	4
43	Current-induced chain migration in semiconductor polymer blends. <i>Physical Review B</i> , 2005, 71, .	3.2	19
44	Approaching criticality in polymer-polymer systems. <i>Physical Review E</i> , 2005, 72, 031807.	2.1	11
45	Responsive brushes and gels as components of soft nanotechnology. <i>Faraday Discussions</i> , 2005, 128, 55-74.	3.2	90
46	Mechanical Actuation by Responsive Polyelectrolyte Brushes and Triblock Gels. <i>Journal of Macromolecular Science - Physics</i> , 2005, 44, 1103-1121.	1.0	28
47	Mapping the Fluorescence Decay Lifetime of a Conjugated Polymer in a Phase-Separated Blend Using a Scanning Near-Field Optical Microscope. <i>Nano Letters</i> , 2005, 5, 2232-2237.	9.1	68
48	The future of nanotechnology. <i>Physics World</i> , 2004, 17, 25-29.	0.0	25
49	Effect of physical ageing in thin glassy polymer films. <i>European Physical Journal E</i> , 2003, 10, 223-230.	1.6	107
50	Glasses with liquid-like surfaces. <i>Nature Materials</i> , 2003, 2, 645-646.	27.5	39
51	Early stages of polymer interdiffusion. <i>Physical Review E</i> , 2003, 67, 052801.	2.1	11
52	A neutron reflectometry study of the interface between poly(9,9-dioctylfluorene) and poly(methyl Tj ETQq0 0 0 rgBT <sub>1</sub> /Overlock 10 Tf 50	3.3	16
53	The role of surface-induced ordering in the crystallisation of PET films. <i>Europhysics Letters</i> , 2002, 58, 844-850.	2.0	62
54	Surface-Mediated Folding and Misfolding of Proteins at Lipid/Water Interfaces. <i>Langmuir</i> , 2002, 18, 4854-4861.	3.5	58

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55	Surface Denaturation and Amyloid Fibril Formation of Insulin at Model Lipid-Water Interfaces. <i>Biochemistry</i> , 2002, 41, 15810-15819.	2.5	110
56	Swelling-induced morphology in ultrathin supported films of poly(d,l-lactide). <i>Physical Review E</i> , 2002, 66, 011801.	2.1	39
57	Adsorption and displacement of a globular protein on hydrophilic and hydrophobic surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 23, 31-42.	5.0	74
58	The timescale of spinodal dewetting at a polymer/polymer interface. <i>European Physical Journal E</i> , 2002, 8, 137-143.	1.6	25
59	Swelling of Poly(dl-lactide) and Polylactide-co-glycolide in Humid Environments. <i>Macromolecules</i> , 2001, 34, 8752-8760.	4.8	64
60	Interface width of low-molecular-weight immiscible polymers. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 10269-10277.	1.8	22
61	Anisotropic spinodal dewetting as a route to self-assembly of patterned surfaces. <i>Nature</i> , 2000, 404, 476-478.	27.8	359
62	Kinetics of formation of interfaces between immiscible polymers. <i>Philosophical Magazine Letters</i> , 2000, 80, 561-567.	1.2	16
63	Interdiffusion in blends of deuterated polystyrene and poly( $\alpha$ -methylstyrene). <i>Polymer</i> , 1999, 40, 2323-2329.	3.8	20
64	Unfolding and Intermolecular Association in Globular Proteins Adsorbed at Interfaces. <i>Langmuir</i> , 1999, 15, 5102-5110.	3.5	133
65	The morphology of as-cast films of a polymer blend: Dependence on polymer molecular weight. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1307-1311.	2.1	20
66	Kinetics of Film Formation in Acrylic Latices Studied with Multiple-Angle-of-Incidence Ellipsometry and Environmental SEM. <i>Macromolecules</i> , 1995, 28, 2673-2682.	4.8	172
67	Conformational changes in adsorbed proteins. <i>Langmuir</i> , 1995, 11, 3542-3548.	3.5	107
68	Neutron Reflectometry Study of Surface Segregation in an Isotopic Poly(ethylenepropylene) Blend: Deviation from Mean-Field Theory. <i>Macromolecules</i> , 1995, 28, 8621-8628.	4.8	43
69	The Structure of Grafted Polystyrene Layers in a Range of Matrix Polymers. <i>Macromolecules</i> , 1995, 28, 2042-2049.	4.8	57
70	Kinetics of the Simultaneous Phase Separation and Gelation in Solutions of Dextran and Gelatin. <i>Macromolecules</i> , 1995, 28, 4129-4138.	4.8	120
71	Size-Dependent Depression of the Glass Transition Temperature in Polymer Films. <i>Europhysics Letters</i> , 1994, 27, 59-64.	2.0	1,672
72	Effect of long-range forces on surface enrichment in polymer blends. <i>Physical Review E</i> , 1993, 47, 1437-1440.	2.1	34

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73	Determination of the concentration profile at the surface of deuterated polystyrene/hydrogenated polystyrene blends using high-resolution ion scattering techniques. <i>Macromolecules</i> , 1991, 24, 5991-5996.	4.8	86
74	Study of the polymer surfaces with improved resolution FRES. <i>Hyperfine Interactions</i> , 1990, 62, 45-53.	0.5	4
75	The Form of the Enriched Surface Layer in Polymer Blends. <i>Europhysics Letters</i> , 1990, 12, 41-46.	2.0	114
76	Enrichment depth profiles in polymer blends measured by forward recoil spectrometry. <i>Applied Physics Letters</i> , 1989, 54, 590-592.	3.3	72
77	Interface Formation in a Partially Miscible Polymer Blend. <i>Europhysics Letters</i> , 1988, 5, 657-662.	2.0	19
78	Mutual diffusion in a miscible polymer blend. <i>Nature</i> , 1986, 321, 161-162.	27.8	57