

Noreen L Thomas

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5696289/noreen-l-thomas-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. 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.

46
papers

3,158
citations

25
h-index

46
g-index

46
ext. papers

3,533
ext. citations

6.4
avg. IF

5.63
L-index

#	Paper	IF	Citations
46	A theory of case II diffusion. <i>Polymer</i> , 1982 , 23, 529-542	3.9	464
45	Blending polylactic acid with polyhydroxybutyrate: The effect on thermal, mechanical, and biodegradation properties. <i>Advances in Polymer Technology</i> , 2011 , 30, 67-79	1.9	224
44	Electrospun poly lactic acid (PLA) fibres: Effect of different solvent systems on fibre morphology and diameter. <i>Polymer</i> , 2014 , 55, 4728-4737	3.9	205
43	A review of the water barrier properties of polymer/clay and polymer/graphene nanocomposites. <i>Journal of Membrane Science</i> , 2016 , 514, 595-612	9.6	196
42	The retarding action of sugars on cement hydration. <i>Cement and Concrete Research</i> , 1983 , 13, 830-842	10.3	187
41	Transport of methanol in poly(methyl methacrylate). <i>Polymer</i> , 1978 , 19, 255-265	3.9	163
40	A deformation model for Case II diffusion. <i>Polymer</i> , 1980 , 21, 613-619	3.9	158
39	From Chemical Gardens to Chemobrionics. <i>Chemical Reviews</i> , 2015 , 115, 8652-703	68.1	155
38	Flocculation of latex by water-soluble polymers: Experimental confirmation of a nonbridging, nonadsorptive, volume-restriction mechanism. <i>Journal of Colloid and Interface Science</i> , 1981 , 82, 62-76	9.3	150
37	Diffusion mechanics of the system PMMA-methanol. <i>Polymer</i> , 1981 , 22, 627-639	3.9	140
36	Blending poly(butylene succinate) with poly(lactic acid): Ductility and phase inversion effects. <i>European Polymer Journal</i> , 2015 , 71, 534-546	5.2	102
35	Fabricating porous poly(lactic acid) fibres via electrospinning. <i>European Polymer Journal</i> , 2018 , 99, 464-476	3.6	93
34	The effect of lead nitrate on the early hydration of portland cement. <i>Cement and Concrete Research</i> , 1981 , 11, 143-153	10.3	83
33	Tailoring surface hydrophilicity of porous electrospun nanofibers to enhance capillary and push-pull effects for moisture wicking. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14087-95	9.5	80
32	Talc as a nucleating agent and reinforcing filler in poly(lactic acid) composites. <i>Polymer Engineering and Science</i> , 2014 , 54, 64-70	2.3	76
31	Water vapour permeability of poly(lactic acid) nanocomposites. <i>Journal of Membrane Science</i> , 2013 , 445, 112-118	9.6	71
30	Discontinuous shape changes associated with Case II transport of methanol in thin sheets of PMMA. <i>Polymer</i> , 1977 , 18, 1195	3.9	55

29	Optimising Ductility of Poly(Lactic Acid)/Poly(Butylene Adipate-co-Terephthalate) Blends Through Co-continuous Phase Morphology. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 3802-3816	4.5	54
28	Calcium and silicon concentrations in solution during the early hydration of portland cement and tricalcium silicate. <i>Cement and Concrete Research</i> , 1981 , 11, 675-687	10.3	49
27	Materials design towards sport textiles with low-friction and moisture-wicking dual functions. <i>Materials and Design</i> , 2015 , 88, 82-87	8.1	43
26	Electrospinning of poly(lactic acid): Theoretical approach for the solvent selection to produce defect-free nanofibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1483-1498	2.6	42
25	Electrospinning of polylactic acid fibres containing tea tree and manuka oil. <i>Reactive and Functional Polymers</i> , 2017 , 117, 106-111	4.6	37
24	Case II swelling of PMMA sheet in methanol. <i>Journal of Membrane Science</i> , 1978 , 3, 337-342	9.6	37
23	Fabrication of porous fibers via electrospinning: strategies and applications. <i>Polymer Reviews</i> , 2020 , 60, 595-647	14	29
22	Tortuosity model to predict the combined effects of crystallinity and nano-sized clay mineral on the water vapour barrier properties of polylactic acid. <i>Applied Clay Science</i> , 2017 , 141, 46-54	5.2	26
21	Fabrication of composite poly(d,l-lactide)/montmorillonite nanoparticles for controlled delivery of acetaminophen by solvent-displacement method using glass capillary microfluidics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 141, 187-195	6	23
20	Effect of precipitated calcium carbonate on the mechanical properties of poly(vinyl chloride). <i>Journal of Vinyl and Additive Technology</i> , 2007 , 13, 98-102	2	21
19	Electrospun dual-layer mats with covalently bonded ZnO nanoparticles for moisture wicking and antibacterial textiles. <i>Materials and Design</i> , 2017 , 134, 54-63	8.1	20
18	Zinc compounds as flame retardants and smoke suppressants for rigid PVC. <i>Plastics, Rubber and Composites</i> , 2003 , 32, 413-419	1.5	18
17	Alloying of poly(vinyl chloride) to reduce plasticizer migration. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 2022-2031	2.9	18
16	Oxodegradable plastics: degradation, environmental impact and recycling. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2012 , 165, 133-140	0.5	17
15	Preparation and characterization of organoclays based on an amphoteric surfactant. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 39-43	9.3	16
14	Preparation and properties of polyhydroxybutyrate blended with different types of starch. <i>Journal of Applied Polymer Science</i> , 2009 , 116, n/a-n/a	2.9	15
13	Surface energy measurements of coated titanium dioxide pigment. <i>Progress in Organic Coatings</i> , 2008 , 62, 123-128	4.8	15
12	The hydration of Portland cement, C3S and C2S in the presence of a calcium complexing admixture (EDTA). <i>Cement and Concrete Research</i> , 1983 , 13, 391-400	10.3	15

11	Cement nanotubes: on chemical gardens and cement. <i>Structural Chemistry</i> , 2017 , 28, 33-37	1.8	13
10	Nonaqueous polymerization of vinyl chloride: An environmentally friendly process. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 2472-2481	2.9	10
9	Investigation of precipitated calcium carbonate as a processing aid and impact modifier in poly(vinyl chloride). <i>Polymer Engineering and Science</i> , 2012 , 52, 2369-2374	2.3	8
8	A reply to a discussion by S chatterji of the retarding action of sugars on cement hydration by N L Thomas and J D Birchall. <i>Cement and Concrete Research</i> , 1984 , 14, 761-762	10.3	7
7	Dispersion of nanoparticles in poly(vinyl chloride) grains during In situ polymerization. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 1824-1830	2.9	6
6	Suspension polymerisation of vinyl chloride in presence of ultra fine filler particles. <i>Plastics, Rubber and Composites</i> , 2008 , 37, 431-435	1.5	4
5	Peroxide crosslinking of rigid poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2904-2909	1.5	4
4	Melt compounding of rigid PVC formulations with hydrotalcites. <i>Plastics, Rubber and Composites</i> , 2008 , 37, 445-452	1.5	3
3	Cross-linking of unplasticised poly(vinyl chloride) with peroxide. <i>Plastics, Rubber and Composites</i> , 2006 , 35, 112-116	1.5	3
2	Cellular PVC-U: Current Technology and Future Challenges. <i>Journal of Cellular Plastics</i> , 2007 , 43, 237-255	1.5	3
1	Co-continuous phase prediction in poly(lactic acid) /poly(caprolactone) blends from melt viscosity measurements. <i>Polymer-Plastics Technology and Materials</i> , 1-18	1.5	