James N Hay

List of Publications by Year in descending order

23 papers	371 citations	840585 11 h-index	794469 19 g-index
23 all docs	23 docs citations	23 times ranked	392 citing authors

#	Article	IF	Citations
1	The thermal degradation of poly(vinyl acetate) measured by thermal analysisâ€“Fourier transform infrared spectroscopy. Polymer, 2002, 43, 2207-2211.	1.8	122
2	Evaluation of Multiple Melting Peaks of Propylene-Ethylene Copolymers. Polymer Journal, 1998, 30, 215-221.	1.3	22
3	State of the water in crosslinked sulfonated poly(ether ether ketone). Journal of Applied Polymer Science, 2013, 128, 3000-3009.	1.3	21
4	The effect of ions irradiation on the thermal properties of poly(ether ether ketone). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2212-2221.	2.4	20
5	The effect of secondary crystallization on crystallization kinetics â€“ Polyethylene terephthalate revisited. European Polymer Journal, 2016, 81, 216-223.	2.6	19
6	The effect of proton irradiation on the melting and isothermal crystallization of poly(etherâ€etherâ€ketone). Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1094-1103.	2.4	18
7	State of the water in crosslinked sulfonated poly(ether ether ketone). Two-dimensional differential scanning calorimetry correlation mapping. Thermochimica Acta, 2015, 612, 63-69.	1.2	16
8	The sulfonation of crosslinked poly(ether ether ketone)â€”Diffusionâ€controlled kinetics. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 775-783.	2.4	15
9	The kinetics of crystallization of poly(Îµ-caprolactone) measured by FTIR spectroscopy. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1491-1500.	2.0	14
10	The crosslinking of poly (ether ether ketone): Thermally and by irradiation. Journal of Applied Polymer Science, 2015, 132, .	1.3	13
11	The effect of a secondary process on crystallization kinetics â€“ Poly (Ñ”-caprolactone) revisited. European Polymer Journal, 2016, 84, 708-714.	2.6	13
12	Isothermal crystallization and spherulite nucleation in blends of polypropylene with metallocene-prepared polyethylene. Polymer International, 2006, 55, 6-11.	1.6	11
13	Secondary crystallization kinetics. Polymer Crystallization, 2018, 1, e10007.	0.5	10
14	Phase separation in polypropylene and metallocene polyethylene blends. Polymer Engineering and Science, 2006, 46, 889-895.	1.5	9
15	The effect of a secondary process on polymer crystallization kinetics â€“ 3. Co-poly (lactic acid). European Polymer Journal, 2017, 94, 311-321.	2.6	9
16	The ageing of poly(Îµ-caprolactone). Polymer International, 2015, 64, 1695-1705.	1.6	8
17	The Effect of a Secondary Process on the Analysis of Isothermal Crystallisation Kinetics by Differential Scanning Calorimetry. Polymers, 2020, 12, 19.	2.0	8
18	The isothermal crystallization of poly(ether ether ketone) by twoâ€dimensional differential scanning calorimetry correlation mapping. Journal of Applied Polymer Science, 2017, 134, .	1.3	7

#	Article	IF	Citations
19	Evaluation of the crystallization kinetics and melting of polypropylene and metallocene-prepared polyethylene blends. Journal of Applied Polymer Science, 2007, 104, 634-640.	1.3	6
20	The melting of poly (l -lactic acid). European Polymer Journal, 2018, 100, 253-257.	2.6	5
21	Stereo-chemical contributions to the glass transition and liquidâ€“liquid phase separation in high molecular weight poly(N-vinyl carbazole). RSC Advances, 2016, 6, 29326-29333.	1.7	4
22	The role of a secondary process in polymer crystallization: 4 â^' Polyethylene revisited. Polymer International, 2019, 68, 201-205.	1.6	1
23	Novel Liquid Crystal Molecular Sensor. Materials Technology, 1999, 14, 118-121.	1.5	0