

Pieter Gijsman

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,444
citations

361413

20
h-index

580821

25
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31
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31
docs citations

31
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the UV-degradation chemistry of polypropylene, polyethylene, polyamide 6 and polybutylene terephthalate. <i>Polymer Degradation and Stability</i> , 1999, 65, 433-441.	5.8	225
2	The mechanism of the low-temperature oxidation of polypropylene. <i>Polymer Degradation and Stability</i> , 1993, 42, 95-105.	5.8	129
3	Differences in the flame retardant mechanism of melamine cyanurate in polyamide 6 and polyamide 66. <i>Polymer Degradation and Stability</i> , 2002, 78, 219-224.	5.8	106
4	Influence of temperature on the thermo-oxidative degradation of polyamide 6 films. <i>Polymer Degradation and Stability</i> , 2010, 95, 1054-1062.	5.8	99
5	The mechanism of action of hindered amine light stabilizers. <i>Polymer Degradation and Stability</i> , 1993, 39, 225-233.	5.8	82
6	The role of peroxides in the thermooxidative degradation of polypropylene. <i>Polymer Degradation and Stability</i> , 1996, 51, 3-13.	5.8	67
7	Differences and similarities in the thermooxidative degradation of polyamide 46 and 66. <i>Polymer Degradation and Stability</i> , 1995, 49, 121-125.	5.8	65
8	The influence of temperature and catalyst residues on the degradation of unstabilized polypropylene. <i>Polymer Degradation and Stability</i> , 1993, 39, 271-277.	5.8	64
9	Comparison of the UV-degradation chemistry of unstabilized and HALS-stabilized polyethylene and polypropylene. <i>Polymer Degradation and Stability</i> , 1996, 53, 45-50.	5.8	59
10	Influence of temperature and stabilization on oxygen diffusion limited oxidation profiles of polyamide 6. <i>Polymer Degradation and Stability</i> , 2016, 130, 83-96.	5.8	55
11	New synergists for hindered amine light stabilizers. <i>Polymer</i> , 2002, 43, 1573-1579.	3.8	54
12	A review on the mechanism of action and applicability of Hindered Amine Stabilizers. <i>Polymer Degradation and Stability</i> , 2017, 145, 2-10.	5.8	46
13	Mechanistic aspects of the stabilization of polyamides by combinations of metal and halogen salts. <i>Polymer Degradation and Stability</i> , 1995, 49, 127-133.	5.8	45
14	The mechanism of action of hindered amine stabilizers (HAS) as long-term heat stabilizers. <i>Polymer Degradation and Stability</i> , 1994, 43, 171-176.	5.8	43
15	Hindered amine stabilisers as long-term heat stabilisers for polypropylene. <i>Polymer Degradation and Stability</i> , 1999, 66, 365-371.	5.8	40
16	The influence of oxygen pressure and temperature on the UV-degradation chemistry of polyethylene. <i>Polymer Degradation and Stability</i> , 1997, 58, 55-59.	5.8	39
17	The influence of polymer type, stabilizers and sample geometry on the relationship between chemiluminescence and oxygen uptake. <i>Polymer Degradation and Stability</i> , 2001, 74, 533-542.	5.8	38
18	Hindered amine light stabilizers: An alternative for radiation cross-linked UHMwPE implants. <i>Biomaterials</i> , 2010, 31, 6685-6691.	11.4	38

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19	Comparison of UV degradation chemistry in accelerated (xenon) aging tests and outdoor tests (II). Polymer Degradation and Stability, 1994, 46, 63-74.	5.8	32
20	Effect of dicumyl peroxide crosslinking on the UV stability of ethylene-propylene-diene (EPDM) elastomers containing 5-ethylene-2-norbornene (ENB). Polymer Degradation and Stability, 2005, 89, 484-491.	5.8	22
21	Aliphatic amines for use as long-term heat stabilizers for polypropylene. Polymer Degradation and Stability, 2003, 81, 483-489.	5.8	20
22	Thermo-oxidative stability of PP waste films studied by imaging chemiluminescence. Polymer Degradation and Stability, 2001, 73, 15-22.	5.8	18
23	Multi-cell imaging chemiluminescence to map heterogeneous degradation of polypropylene plaques. Polymer Degradation and Stability, 2003, 82, 181-186.	5.8	15
24	The diffusion and solubility of Irganox® 1098 in polyamide 6. Polymer Degradation and Stability, 2010, 95, 955-959.	5.8	14
25	Polymer Stabilization. , 2012, , 673-714.		10
26	Simultaneous oxygen uptake and imaging chemiluminescence measurements. Polymer Degradation and Stability, 2006, 91, 423-428.	5.8	8
27	Photostabilisation of Polymer Materials. , 0, , 627-679.		4
28	Polymer Stabilization. , 2018, , 369-395.		3
29	Polymer Stabilization. , 2011, , 375-399.		2
30	Polymer Stabilization. , 2017, , 395-421.		2