Keith Millington

List of Publications by Year
in descending order

72	1,290	394421 19	395702 33
papers	citations	h-index	g-index

79	79	79	1106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anomalous fluorescence of white hair compared to other unpigmented keratin fibres. International Journal of Cosmetic Science, 2020, 42, 289-301.	2.6	6
2	UV damage to hair and the effect of antioxidants and metal chelators. International Journal of Cosmetic Science, 2020, 42, 174-184.	2.6	6
3	Anomalous Fluorescence of White Hair Compared to Other Unpigmented Keratin Fibres. International Journal of Cosmetic Science, 2019, , .	2.6	1
4	Colorfastness. , 2018, , 155-186.		2
5	Understanding the influence of fibre, yarn and fabric parameters on UV protection of wool-knitted fabrics. Journal of the Textile Institute, 2017, 108, 1609-1617.	1.9	6
6	Wool as a high-performance fiber. , 2017, , 367-408.		6
7	Producing highâ€quality precursor polymer and fibers to achieve theoretical strength in carbon fibers: A review. Journal of Applied Polymer Science, 2016, 133, .	2.6	67
8	Rheology of polyacrylonitrileâ€based precursor polymers produced from controlled (RAFT) and conventional polymerization: Its role in solution spinning. Journal of Applied Polymer Science, 2016, 133, .	2.6	17
9	Polyacrylonitrile-based precursors and carbon fibers derived from advanced RAFT technology and conventional methods â€“ The 1st comparative study. Materials Today Communications, 2016, 9, 22-29.	1.9	30
10	Degradation mechanism of Î³-irradiated polytetrafluoroethylene (PTFE) powder by low-temperature matrix-isolation infrared spectroscopy and chemiluminescence spectroscopy. Polymer Journal, 2016, 48, 697-702.	2.7	4
11	Research on the influence of yarn parameters on the ultraviolet protection of yarns. Journal of the Textile Institute, 2016, , 1-13.	1.9	2
12	Effects of fibre parameters on the ultraviolet protection of fibre assemblies. Journal of the Textile Institute, 2016, 107, 614-624.	1.9	9
13	Improving the photostability of bleached silk without reducing its whiteness. Coloration Technology, 2015, 131, 439-443.	1.5	1
14	Chemiluminescence spectral analysis of styrene-butadiene and acrylonitrile-butadiene rubbers using a multichannel Fourier-transform chemiluminescence spectrometer. Polymer Testing, 2015, 43, 44-48.	4.8	1
15	UV protection performance of textiles affected by fiber cross-sectional shape. Textile Reseach Journal, 2015, 85, 1946-1960.	2.2	15
16	Improving the photostability of silk using a covalently-bound UV absorber. Polymer Degradation and Stability, 2015, 121, 187-192.	5.8	18
17	Improving the photostability of bleached wool without increasing its yellowness. Coloration Technology, 2014, 130, 413-417.	1.5	5
18	The effect of Î³-ray irradiation on thermal oxidation of additive-free polypropylene pellets investigated by multichannel Fourier-transform chemiluminescence spectroscopy. Chemical Physics Letters, 2014, 591, 259-264.	2.6	5

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19	Detecting free radicals in sunscreens exposed to UVA radiation using chemiluminescence. Journal of Photochemistry and Photobiology B: Biology, 2014, 133, 27-38.	3.8	15
20	Thermal chemiluminescence from Î³-irradiated polytetrafluoroethylene and its emission mechanism: Kinetic analysis and bond dissociation energy of fluoroperoxide group. Chemical Physics Letters, 2014, 616-617, 104-108.	2.6	3
21	A comparative interlaboratory study on photocatalytic activity of commercial ZnO and CeO2 nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	7
22	Thermal chemiluminescence from Î³ -irradiated polytetrafluoroethylene and its emission mechanism: Investigation by multichannel Fourier-transform luminescence spectroscopy. Chemical Physics Letters, 2014, 614, 181-185.	2.6	5
23	Trace Metals in Fleece Wool and Correlations with Yellowness. Biological Trace Element Research, 2013, 151, 365-372.	3.5	3
24	Thermal oxidative degradation of additive-free polypropylene pellets investigated by multichannel Fourier-transform chemiluminescence spectroscopy. Polymer Degradation and Stability, 2013, 98, 2680-2686.	5.8	10
25	Photoprotection by Silk Cocoons. Biomacromolecules, 2013, 14, 3660-3667.	5.4	68
26	The influence of copper(<scp>II</scp>) ions on wool photostability in the dry state. Coloration Technology, 2013, 129, 323-329.	1.5	5
27	The effects of bleaching on the photostability of white fleece wools. Journal of the Textile Institute, 2013, 104, 655-660.	1.9	1
28	Trace metals can affect hydroxyl radical production and yellowing of photo-irradiated wool. Journal of the Textile Institute, 2013, 104, 648-654.	1.9	5
29	Biodegradable mulch fabric by surface fibrillation and entanglement of plant fibers. Textile Reseach Journal, 2013, 83, 1906-1917.	2.2	12
30	Thermal luminescence spectroscopy of Î³-irradiated elastomers using a multichannel Fourier-transform chemiluminescence spectrometer. Polymer Journal, 2012, 44, 1015-1021.	2.7	12
31	Rapid permanent setting of wool fabrics by conductive heat transfer. Textile Reseach Journal, 2012, 82, 1414-1421.	2.2	3
32	Chemiluminescence from UVAâ€“exposed skin: Separating photo-induced chemiluminescence from photophysical light emission. Journal of Photochemistry and Photobiology B: Biology, 2012, 114, 140-146.	3.8	5
33	Diffuse reflectance spectroscopy of fibrous proteins. Amino Acids, 2012, 43, 1277-1285.	2.7	25
34	Thermal luminescence spectra of polyamides and their Maillard reaction with reducing sugars. Luminescence, 2012, 27, 362-370.	2.9	11
35	Thermal chemiluminescence spectroscopy of amino acids and its salts using a multichannel Fourier-transform spectrometer. Chemical Physics Letters, 2012, 523, 113-119.	2.6	6
36	Genetic variation in sulfur, calcium, magnesium, manganese and trace metal content of Merino wool and correlations with brightness, yellowness and photostability. Animal Production Science, 2012, 52, 463.	1.3	4

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37	Whiter wool from fleece to fabric. Coloration Technology, 2011, 127, 297-303.	1.5	13
38	Measuring colour and photostability of small fleece wool samples. Animal Production Science, 2010, 50, 589.	1.3	11
39	Sunlight exposure caused yellowing and increased mineral content in wool. Animal Production Science, 2010, 50, 300.	1.3	11
40	The effect of dyes on photo-induced chemiluminescence emission from polymers. Polymer Degradation and Stability, 2010, 95, 34-42.	5.8	10
41	Chemiluminescence from thermal oxidation of amino acids and proteins. Amino Acids, 2010, 38, 1395-1405.	2.7	15
42	Proteomic evaluation and location of UVB-induced photo-oxidation in wool. Journal of Photochemistry and Photobiology B: Biology, 2010, 98, 118-127.	3.8	45
43	Using Chemiluminescence to Study the Photodegradation of Materials. Materials Science Forum, 2010, 654-656, 2414-2417.	0.3	6
44	Measurement of light penetration through a simulated Merino fleece. Animal Production Science, 2010, 50, 585.	1.3	3
45	Improving the whiteness and photostability of wool. , 2009, , 217-247.		9
46	Potential for desalination using lower critical solution temperature polymers: Concentration of salt solutions by pluronic PE6200. Journal of Applied Polymer Science, 2009, 113, 2346-2352.	2.6	9
47	Photoproducts Formed in the Photoyellowing of Collagen in the Presence of a Fluorescent Whitening Agent. Photochemistry and Photobiology, 2009, 85, 1314-1321.	2.5	14
48	Mechanism of photoprotection of wool with formaldehyde and thiol derivatives. Coloration Technology, 2009, 125, 117-122.	1.5	0
49	The photostability of wool doped with photocatalytic titanium dioxide nanoparticles. Polymer Degradation and Stability, 2009, 94, 278-283.	5.8	46
50	Kinetics of Photo-Induced Chemiluminescence Decay from Polymers. Polymer Journal, 2009, 41, 1085-1091.	2.7	10
51	Photo-induced chemiluminescence from fibrous polymers and proteins. Polymer Degradation and Stability, 2008, 93, 640-647.	5.8	25
52	A morphology-related study on photodegradation of protein fibres. Journal of Photochemistry and Photobiology B: Biology, 2008, 92, 135-143.	3.8	39
53	The use of ultraviolet radiation in an adsorbable organohalogen-free print preparation for wool and in wool dyeing: the Siroflash process. Coloration Technology, 2008, 114, 286-292.	0.1	16
54	Mordant dyes as sensitisers in dye-sensitised solar cells. Solar Energy Materials and Solar Cells, 2007, 91, 1618-1630.	6.2	35

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55	Thermal chemiluminescence of fibrous proteins. Polymer Degradation and Stability, 2007, 92, 1504-1512.	5.8	10
56	The Photoyellowing of Stilbene-derived Fluorescent Whitening Agentsâ€"Mass Spectrometric Characterization of Yellow Photoproducts. Photochemistry and Photobiology, 2007, 84, 071018085748001-???.	2.5	18
57	Improving the photostability of whitened wool by applying an anti-oxidant and metal chelator rinse. Coloration Technology, 2006, 122, 49-56.	1.5	17
58	Photoyellowing of wool. Part 1: Factors affecting photoyellowing and experimental techniques. Coloration Technology, 2006, 122, 169-186.	1.5	103
59	Photoyellowing of wool. Part 2: Photoyellowing mechanisms and methods of prevention. Coloration Technology, 2006, 122, 301-316.	1.5	64
60	The generation of superoxide and hydrogen peroxide by exposure of fluorescent whitening agents to UVA radiation and its relevance to the rapid photoyellowing of whitened wool. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 165, 177-185.	3.9	41
61	Detection of hydroxyl radicals in photoirradiated wool, cotton, nylon and polyester fabrics using a fluorescent probe. Coloration Technology, 2002, 118, 6-14.	1.5	62
62	Comparison of the effects of gamma and ultraviolet radiation on wool keratin. Coloration Technology, 2000, 116, 266-272.	1.5	27
63	Using Ultraviolet Radiation to Reduce Pilling of Knitted Wool and Cotton. Textile Reseach Journal, 1998, 68, 413-421.	2.2	37
64	The photodegradation of wool keratin II. Proposed mechanisms involving cystine. Journal of Photochemistry and Photobiology B: Biology, 1997, 39, 204-212.	3.8	53
65	Spectroscopic analysis of heterogeneous photocatalysis products of nonylphenol- and primary alcohol ethoxylate nonionic surfactants. Chemosphere, 1996, 33, 1921-1940.	8.2	30
66	A limitation of the microtoxÂ® test for toxicity measurements of nonionic surfactants. Environmental Toxicology and Chemistry, 1996, 15, 1034-1037.	4.3	7
67	Photodegradation of wool keratin: Part I. Vibrational spectroscopic studies. Biospectroscopy, 1996, 2, 249-258.	0.6	43
68	Naked Molecule Chemistry: Different Bonding Modes of CO to FeX2. Angewandte Chemie International Edition in English, 1988, 27, 1161-1162.	4.4	4
69	The infrared spectra of matrix isolated thorium and uranium tetrachlorides. Change of shape with matrix gas. Journal of the Chemical Society Dalton Transactions, 1988, , 2759.	1.1	13
70	A quantitative approach to hostâ€"guest interactions for matrix-isolated alkali-metal salts of hexafluoroanions and perchlorates. Journal of the Chemical Society Dalton Transactions, 1987, , 1521-1527.	1.1	9
71	Zinc(II), iron(III), molybdenum(II) chloride and molybdenum(V), molybdenum(VI) oxochloride complexes of trimethylamine: synthesis, spectra and X-ray crystal structure characterisation. Inorganica Chimica Acta, 1984, 89, 185-191.	2.4	21
72	The laser-induced fluorescence spectrum of chromyl fluoride (chromium dioxidedifluoride) in a seeded molecular beam. Chemical Physics Letters, 1984, 108, 138-140.	2.6	3