Oscar Chiantore

List of Publications by Year
in descending order

82	2,324	218677	233421
papers	citations	26 h-index	45 g-index

84	84	84	2199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drying and oxidative degradation of linseed oil. Polymer Degradation and Stability, 1999, 65, 303-313.	5.8	374
2	Tailoring new fluorinated acrylic copolymers as protective coatings for marble. Journal of Cultural Heritage, 2002, 3, 309-316.	3.3	124
3	The characterization of commercial artistsâ€™ alkyd paints. Journal of Cultural Heritage, 2008, 9, 412-419.	3.3	109
4	Ageing behaviour and pyrolytic characterisation of diterpenic resins used as art materials: colophony and Venice turpentine. Journal of Analytical and Applied Pyrolysis, 2002, 64, 345-361.	5.5	105
5	Direct-temperature mass spectrometric detection of volatile terpenoids and natural terpenoid polymersin fresh and artificially aged resins. Journal of Mass Spectrometry, 2003, 38, 607-617.	1.6	74
6	Ageing behaviour and analytical pyrolysis characterisation of diterpenic resins used as art materials: Manila copal and sandarac. Journal of Analytical and Applied Pyrolysis, 2003, 68-69, 115-136.	5.5	68
7	Characterization of Artists' Acrylic Emulsion Paints. International Journal of Polymer Analysis and Characterization, 2003, 8, 67-82.	1.9	57
8	MALDI-TOF mass spectrometry on cellulosic surfaces of fresh and photo-aged di- and triterpenoid varnish resins. Journal of Mass Spectrometry, 2005, 40, 1527-1535.	1.6	56
9	Photochemical stability of partially fluorinated acrylic protective coatings I. Poly(2,2,2-trifluoroethyl methacrylate) and poly(1H,1H,2H,2H-perfluorodecyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 457 Td (me	5.8	55
10	Separation techniques for the analysis of artists' acrylic emulsion paints. Journal of Separation Science, 2004, 27, 263-274.	2.5	51
11	Acrylic protective coatings modified with titanium dioxide nanoparticles: Comparative study of stability under irradiation. Polymer Degradation and Stability, 2012, 97, 2136-2142.	5.8	51
12	Structure control, coating properties, and durability of fluorinated acrylic-based polymers. Journal of Coatings Technology, 2002, 74, 57-66.	0.7	50
13	An initial assessment of thermally assisted hydrolysis and methylation-gas chromatography/mass spectrometry for the identification of oils from dried paint films. Journal of Analytical and Applied Pyrolysis, 2002, 63, 339-348.	5.5	48
14	Gas chromatographyâ€“mass spectrometric analysis of products from on-line pyrolysis/silylation of plant gums used as binding media. International Journal of Mass Spectrometry, 2009, 284, 35-41.	1.5	48
15	Thermal analytical study of the oxidative stability of artists' alkyd paints. Polymer Degradation and Stability, 2009, 94, 2036-2041.	5.8	43
16	Synthesis of Polyacrylonitrile-block-Polystyrene Copolymers by Atom Transfer Radical Polymerization. Macromolecular Chemistry and Physics, 2005, 206, 1382-1388.	2.2	42
17	Effect of Stereoregularity on the Thermal Behavior of Poly(methacrylic acid)s. 2. Decomposition at Low Temperatures. Macromolecules, 1998, 31, 8075-8082.	4.8	39
18	Surface Monitoring of Surfactant Phase Separation and Stability in Waterborne Acrylic Coatings. Chemistry of Materials, 2007, 19, 6107-6113.	6.7	39

#	Article	IF	Citations
19	Thermally assisted hydrolysis and methylation-pyrolysis-gas chromatography/mass spectrometry of light-aged linseed oil. Journal of Analytical and Applied Pyrolysis, 2001, 58-59, 503-512.	5.5	38
20	Advances in identification of plant gums in cultural heritage by thermally assisted hydrolysis and methylation. Analytical and Bioanalytical Chemistry, 2010, 396, 1559-1569.	3.7	34
21	Gas chromatographic/mass spectrometric analysis of on-line pyrolysisâ€“silylation products of monosaccharides. Journal of Analytical and Applied Pyrolysis, 2008, 83, 157-164.	5.5	32
22	Comparison between off-line and on-line derivatisation methods in the characterisation of siccative oils in paint media. Journal of Analytical and Applied Pyrolysis, 2005, 74, 33-38.	5.5	31
23	Poly(vinylalcohol)-borate hydrogels with improved features for the cleaning of cultural heritage surfaces. Heritage Science, 2015, 3, .	2.3	30
24	Copolymers of Isopropenyl Alkyl Ethers with Fluorinated Acrylates and Fluoroacrylates:Â Influence of Fluorine on Their Thermal, Photochemical, and Hydrolytic Stability. Macromolecules, 2006, 39, 1749-1758.	4.8	27
25	A multi-analytical approach for the characterization of powders from the Pompeii archaeological site. Analytical and Bioanalytical Chemistry, 2011, 401, 1801-1814.	3.7	27
26	Photochemical Stability of Partially Fluorinated Acrylic Protective Coatings. 2. Copolymers of 1H,1H,2H,2H-Perfluorodecyl Methacrylate with Unfluorinated Acrylic Esters. Chemistry of Materials, 2001, 13, 2843-2849.	6.7	26
27	The role of zinc white pigment on the degradation of shellac resin in artworks. Polymer Degradation and Stability, 2014, 102, 138-144.	5.8	26
28	Photochemical stability of partially fluorinated acrylic protective coatings IV. Copolymers of 2,2,2-trifluoroethyl methacrylate and methyl Î±-trifluoromethyl acrylate with vinyl ethers. Polymer Degradation and Stability, 2003, 79, 345-351.	5.8	25
29	Part 3. Copolymers of 1H,1H,2H,2H-perfluorodecyl acrylate and 2,2,2-trifluoroethyl methacrylate with butyl methacrylate. Polymer International, 2001, 50, 863-868.	3.1	24
30	In situ polymerization of unfluorinated and fluorinated acrylic copolymers for the conservation of stone. Journal of Applied Polymer Science, 2004, 91, 3202-3213.	2.6	24
31	Contact angle measurements to determine the rate of surface oxidation of artistsâ€™ alkyd paints during accelerated photo-ageing. Progress in Organic Coatings, 2009, 65, 77-83.	3.9	24
32	Identification of natural indigo in historical textiles by GCâ€“MS. Analytical and Bioanalytical Chemistry, 2015, 407, 1695-1704.	3.7	24
33	Thermal oxidative degradation of AES. Polymer Degradation and Stability, 1995, 47, 141-148.	5.8	23
34	From Plant Extracts to Historical Textiles: Characterization of Dyestuffs by GCâ€“MS. Chromatographia, 2014, 77, 1683-1696.	1.3	22
35	The long-term stability of a popular heat-seal adhesive for the conservation of painted cultural objects. Polymer Degradation and Stability, 2014, 107, 307-313.	5.8	21
36	Control of morphology orientation in thin films of PS-b-PEO diblock copolymers and PS-b-PEO/resorcinol molecular complexes. European Polymer Journal, 2009, 45, 2520-2528.	5.4	20

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37	Porous and worm-like titanium dioxide nanostructures from PS-b-PEO block copolymer micellar solutions. Materials Chemistry and Physics, 2011, 128, 166-171.	4.0	20
38	Indoor Air Quality in Museum Display Cases: Volatile Emissions, Materials Contributions, Impacts. Atmosphere, 2021, 12, 364.	2.3	19
39	Polymer-Substrate Interactions in Size Exclusion Chromatography with Silica Gels and Pure Solvents. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 1-11.	1.0	18
40	Multivariate analysis of pyrolysis-GC/MS data for identification of polysaccharide binding media. Analytical Methods, 2013, 5, 4060.	2.7	17
41	Polystyrene-graft-poly(ethylene oxide) copolymers prepared by macromonomer technique in dispersion. I. Liquid chromatographic separation of product mixtures. Journal of Polymer Science Part A, 2000, 38, 2284-2291.	2.3	16
42	Mid-Infrared Fiber-Optic Reflection Spectroscopy (FORS) Analysis of Artists' Alkyd Paints on Different Supports. Applied Spectroscopy, 2011, 65, 429-435.	2.2	15
43	Fluorinated polymeric materials for the protection of monumental buildings. Macromolecular Symposia, 2000, 152, 211-222.	0.7	14
44	Non-invasive characterisation of binding media on painted glass magic lantern plates using mid-infrared fibre-optic reflectance spectroscopy. Journal of Cultural Heritage, 2010, 11, 35-41.	3.3	14
45	Materials and techniques in the pictorialoeuvreof Lucio Fontana. Studies in Conservation, 2012, 57, 92-105.	1.1	14
46	Thermal analysis of the interaction of inorganic pigments with p(nBA/MMA) acrylic emulsion before and after UV ageing. Journal of Thermal Analysis and Calorimetry, 2013, 114, 33-43.	3.6	14
47	High Performance Size Exclusion Chromatography with Microparticulate Porous Silica Spheres. Influence of Flow Rate, Salute Mass Transfer and Polydispersity of Samples. Journal of Liquid Chromatography and Related Technologies, 1982, 5, 643-667.	1.0	13
48	The effect of stereoregularity on the thermal behavior of poly(methacrylic acid)s. Polymer Bulletin, 1997, 39, 85-91.	3.3	13
49	Interactions of natural resins and pigments in works of art. Journal of Colloid and Interface Science, 2017, 503, 1-9.	9.4	13
50	Chain end initiated depolymerization in anionic poly(methylmethacrylate)s. Polymer Bulletin, 1988, 20, 201.	3.3	12
51	Thermal degradation of model linear and star-shaped polyisoprene molecules. Polymer Degradation and Stability, 1995, 49, 385-392.	5.8	12
52	Size exclusion chromatography of polymer molecules on microparticulate silica gels: A comparative study. Journal of Chromatography A, 1983, 260, 41-49.	3.7	11
53	Compositional Characterization of AES Blends by Size-Exclusion and Precipitationâ^'Redissolution Liquid Chromatography. Industrial & Engineering Chemistry Research, 1997, 36, 1276-1282.	3.7	11
54	Model polydimethylsiloxanes subjected to thermal weathering: effect on molecular weight distributions. Polymer Degradation and Stability, 2000, 69, 67-71.	5.8	11

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55	FTIR imaging investigation in MIR and in an enlarged MIRâ€“NIR spectral range. Analytical and Bioanalytical Chemistry, 2012, 402, 2977-2984.	3.7	11
56	An analytical approach for the non-invasive selection of consolidants in rubber artworks. Analytical and Bioanalytical Chemistry, 2016, 408, 5711-5722.	3.7	11
57	Concentration Dependence of Elution Volumes in Size Exclusion Chromatography of Polymer Molecules. 1. Effect of Viscosity and of Coil Contraction in Good Solvent. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 1867-1885.	1.0	10
58	Novel Partially Fluorinated Copolymers: Evidence of the Effect of Fluorine on the Reactivity of the Unfluorinated Comonomer Units. Macromolecular Rapid Communications, 2005, 26, 75-81.	3.9	10
59	Pyrolysisâ€“GC/MS for the identification of macromolecular components in historical recipes. Analytical and Bioanalytical Chemistry, 2011, 401, 1761-1769.	3.7	9
60	Title is missing!. Die Makromolekulare Chemie, 1977, 178, 125-131.	1.1	8
61	A study on reversibility of BEVAÂ®371 in the lining of paintings. Journal of Cultural Heritage, 2015, 16, 479-485.	3.3	8
62	Binary mixtures of ethylene containing copolymers and low molecular weight resins: A new approach towards specifically tuned art conservation products. International Journal of Adhesion and Adhesives, 2016, 67, 54-62.	2.9	7
63	Risk Assessment and Preservative Measures for Volatile Organic Compounds in Museum Showcases. Studies in Conservation, 2018, 63, 58-63.	1.1	7
64	Free radical polymerization of unconjugated dienes: 19. Temperature dependence of the cyclopolymerization of o-divinylbenzene. Polymer, 1978, 19, 202-204.	3.8	5
65	Concentration Dependence of Elution Volumes in size Exclusion Chromatography of Polymer Molecules. II. Poly(Methyl Methacrylate) in Ideal Solvent. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 1413-1430.	1.0	5
66	Applications of High Performance Size Exclusion Chromatography To The Analysis of Oligomers and Small Molecules. Journal of Liquid Chromatography and Related Technologies, 1986, 9, 1341-1365.	1.0	5
67	Compositional analysis of fluorinated and unfluorinated acrylic copolymers. Journal of Analytical and Applied Pyrolysis, 2009, 85, 321-326.	5.5	5
68	Drying Oil and Natural Varnishes in Paintings: A Competition in the Metal Soap Formation. Coatings, 2021, 11, 171.	2.6	5
69	Title is missing!. Die Makromolekulare Chemie, 1977, 178, 119-124.	1.1	4
70	Free radical polymerization of unconjugated dienes: 18. Cyclopolymerization of o-divinylbenzene at 70Â°C. Polymer, 1978, 19, 197-201.	3.8	4
71	Column Liquid Chromatography in Polymer Degradation Studies. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 2957-2972.	1.0	4
72	Oxidation and colour development in AES resins. Polymer Bulletin, 1995, 34, 353-359.	3.3	4

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73	Short Communication: THE PAINTING MATERIALS IN A WORK OF THE FUTURIST ARTIST GIACOMO BALLA. Journal of the American Institute for Conservation, 2013, 52, 227-235.	0.5	4
74	Aging of Natural Resins in Presence of Pigments: Metal Soap and Oxalate Formation. Cultural Heritage Science, 2019, , 141-152.	0.4	4
75	Detection and Identification of Possible Gel Residues on the Surface of Paintings after Cleaning Treatments. Heritage, 2021, 4, 304-315.	1.9	4
76	Thermal characterization of ethyleneâ€“propyleneâ€“diene rubber grafted with styrene-acrylonitrile copolymers. Journal of Applied Polymer Science, 1992, 51, 249-262.	2.6	4
77	Title is missing!. Angewandte Makromolekulare Chemie, 1982, 105, 61-74.	0.2	3
78	A new viscoelastic method for detection of paracrystalline aggregates in ethyleneâ€“propylene elastomers. Polymer, 2003, 44, 6675-6680.	3.8	2
79	THE RESTORATION OF A GROUP OF WORKS OF ART BY PIERO GILARDI. Studies in Conservation, 2004, 49, 160-164.	1.1	1
80	Study on laser cleaning ofSculptures-Ã‰pongeby Yves Klein. Studies in Conservation, 2015, 60, S82-S90.	1.1	1
81	Thermal degradation of poly(pâ€methylstyrene). Makromolekulare Chemie Macromolecular Symposia, 1989, 25, 101-116.	0.6	0
82	Adsorption Behavior of Amphiphilic Polymers. Journal of Colloid and Interface Science, 1999, 215, 420-424.	9.4	0