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 Oil and Natural Varnishes in Paintings: A Competition in the Metal Soap Formation. Coatings, 2021, 11, 171.	2.6	5
2	Detection and Identification of Possible Gel Residues on the Surface of Paintings after Cleaning Treatments. Heritage, 2021, 4, 304-315.	1.9	4
3	Indoor Air Quality in Museum Display Cases: Volatile Emissions, Materials Contributions, Impacts. Atmosphere, 2021, 12, 364.	2.3	19
4	Aging of Natural Resins in Presence of Pigments: Metal Soap and Oxalate Formation. Cultural Heritage Science, 2019, , 141-152.	0.4	4
5	Risk Assessment and Preservative Measures for Volatile Organic Compounds in Museum Showcases. Studies in Conservation, 2018, 63, 58-63.	1.1	7
6	Interactions of natural resins and pigments in works of art. Journal of Colloid and Interface Science, 2017, 503, 1-9.	9.4	13
7	An analytical approach for the non-invasive selection of consolidants in rubber artworks. Analytical and Bioanalytical Chemistry, 2016, 408, 5711-5722.	3.7	11
8	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
9	Study on laser cleaning ofSculptures-Ã‰pongeby Yves Klein. Studies in Conservation, 2015, 60, S82-S90.	1.1	1
10	Identification of natural indigo in historical textiles by GCâ€“MS. Analytical and Bioanalytical Chemistry, 2015, 407, 1695-1704.	3.7	24
11	Poly(vinylalcohol)-borate hydrogels with improved features for the cleaning of cultural heritage surfaces. Heritage Science, 2015, 3, .	2.3	30
12	A study on reversibility of BEVAÂ®371 in the lining of paintings. Journal of Cultural Heritage, 2015, 16, 479-485.	3.3	8
13	From Plant Extracts to Historical Textiles: Characterization of Dyestuffs by GCâ€“MS. Chromatographia, 2014, 77, 1683-1696.	1.3	22
14	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
15	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
16	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
17	Multivariate analysis of pyrolysis-GC/MS data for identification of polysaccharide binding media. Analytical Methods, 2013, 5, 4060.	2.7	17
18	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

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19	Materials and techniques in the pictorialoeuvreof Lucio Fontana. Studies in Conservation, 2012, 57, 92-105.	1.1	14
20	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
21	FTIR imaging investigation in MIR and in an enlarged MIRâ€“NIR spectral range. Analytical and Bioanalytical Chemistry, 2012, 402, 2977-2984.	3.7	11
22	Mid-Infrared Fiber-Optic Reflection Spectroscopy (FORS) Analysis of Artists' Alkyd Paints on Different Supports. Applied Spectroscopy, 2011, 65, 429-435.	2.2	15
23	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
24	Pyrolysisâ€“GC/MS for the identification of macromolecular components in historical recipes. Analytical and Bioanalytical Chemistry, 2011, 401, 1761-1769.	3.7	9
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	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
27	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
28	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
29	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
30	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
31	Compositional analysis of fluorinated and unfluorinated acrylic copolymers. Journal of Analytical and Applied Pyrolysis, 2009, 85, 321-326.	5.5	5
32	Thermal analytical study of the oxidative stability of artists' alkyd paints. Polymer Degradation and Stability, 2009, 94, 2036-2041.	5.8	43
33	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
34	The characterization of commercial artistsâ€™ alkyd paints. Journal of Cultural Heritage, 2008, 9, 412-419.	3.3	109
35	Surface Monitoring of Surfactant Phase Separation and Stability in Waterborne Acrylic Coatings. Chemistry of Materials, 2007, 19, 6107-6113.	6.7	39
36	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

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37	Synthesis of Polyacrylonitrile-block-Polystyrene Copolymers by Atom Transfer Radical Polymerization. Macromolecular Chemistry and Physics, 2005, 206, 1382-1388.	2.2	42
38	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
39	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
40	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
41	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
42	Separation techniques for the analysis of artists' acrylic emulsion paints. Journal of Separation Science, 2004, 27, 263-274.	2.5	51
43	THE RESTORATION OF A GROUP OF WORKS OF ART BY PIERO GILARDI. Studies in Conservation, 2004, 49, 160-164.	1.1	1
44	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
45	A new viscoelastic method for detection of paracrystalline aggregates in ethyleneâ€“propylene elastomers. Polymer, 2003, 44, 6675-6680.	3.8	2
46	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
47	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
48	Characterization of Artists' Acrylic Emulsion Paints. International Journal of Polymer Analysis and Characterization, 2003, 8, 67-82.	1.9	57
49	Structure control, coating properties, and durability of fluorinated acrylic-based polymers. Journal of Coatings Technology, 2002, 74, 57-66.	0.7	50
50	Tailoring new fluorinated acrylic copolymers as protective coatings for marble. Journal of Cultural Heritage, 2002, 3, 309-316.	3.3	124
51	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
52	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
53	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
54	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

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55	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
56	Fluorinated polymeric materials for the protection of monumental buildings. Macromolecular Symposia, 2000, 152, 211-222.	0.7	14
57	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
58	Model polydimethylsiloxanes subjected to thermal weathering: effect on molecular weight distributions. Polymer Degradation and Stability, 2000, 69, 67-71.	5.8	11
59	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 50 537 Td (n	5.8	57
60	Drying and oxidative degradation of linseed oil. Polymer Degradation and Stability, 1999, 65, 303-313.	5.8	374
61	Adsorption Behavior of Amphiphilic Polymers. Journal of Colloid and Interface Science, 1999, 215, 420-424.	9.4	0
62	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
63	Compositional Characterization of AES Blends by Size-Exclusion and Precipitationâ"Redissolution Liquid Chromatography. Industrial & Engineering Chemistry Research, 1997, 36, 1276-1282.	3.7	11
64	The effect of stereoregularity on the thermal behavior of poly(methacrylic acid)s. Polymer Bulletin, 1997, 39, 85-91.	3.3	13
65	Oxidation and colour development in AES resins. Polymer Bulletin, 1995, 34, 353-359.	3.3	4
66	Thermal oxidative degradation of AES. Polymer Degradation and Stability, 1995, 47, 141-148.	5.8	23
67	Thermal degradation of model linear and star-shaped polyisoprene molecules. Polymer Degradation and Stability, 1995, 49, 385-392.	5.8	12
68	Thermal characterization of ethyleneâ€"propyleneâ€"diene rubber grafted with styrene-acrylonitrile copolymers. Journal of Applied Polymer Science, 1992, 51, 249-262.	2.6	4
69	Column Liquid Chromatography in Polymer Degradation Studies. Journal of Liquid Chromatography and Related Technologies, 1990, 13, 2957-2972.	1.0	4
70	Thermal degradation of poly(pâ€methylstyrene). Makromolekulare Chemie Macromolecular Symposia, 1989, 25, 101-116.	0.6	0
71	Chain end initiated depolymerization in anionic poly(methylmethacrylate)s. Polymer Bulletin, 1988, 20, 201.	3.3	12
72	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

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73	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
74	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
75	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
76	Size exclusion chromatography of polymer molecules on microparticulate silica gels: A comparative study. Journal of Chromatography A, 1983, 260, 41-49.	3.7	11
77	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
78	Title is missing!. Angewandte Makromolekulare Chemie, 1982, 105, 61-74.	0.2	3
79	Free radical polymerization of unconjugated dienes: 18. Cyclopolymerization of o-divinylbenzene at 70Â°C. Polymer, 1978, 19, 197-201.	3.8	4
80	Free radical polymerization of unconjugated dienes: 19. Temperature dependence of the cyclopolymerization of o-divinylbenzene. Polymer, 1978, 19, 202-204.	3.8	5
81	Title is missing!. Die Makromolekulare Chemie, 1977, 178, 119-124.	1.1	4
82	Title is missing!. Die Makromolekulare Chemie, 1977, 178, 125-131.	1.1	8