

Valentina Gianotti

List of Publications by Year in descending order

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106
papers

2,482
citations

182225

30
h-index

274796

44
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109
all docs

109
docs citations

109
times ranked

3076
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Characterization of the Intercalation of Neutral Molecules into Saponite. <i>Molecules</i> , 2022, 27, 3048.	1.7	1
2	Short <i>vs.</i> long chains competition during <i>grafting to</i> process from melt. <i>Polymer Chemistry</i> , 2022, 13, 3904-3914.	1.9	6
3	Evidence of Mechanochemical Control in <i>Grafting to</i> Reactions of Hydroxy-Terminated Statistical Copolymers. <i>Macromolecules</i> , 2021, 54, 499-508.	2.2	11
4	Doping of silicon with phosphorus end-terminated polymers: source characterization and dopant diffusion in SiO ₂ . <i>Journal of Materials Chemistry C</i> , 2021, 9, 4020-4028.	2.7	8
5	Low-Cost Biobased Coatings for AM60 Magnesium Alloys for Food Contact and Harsh Environment Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4915.	1.8	3
6	Host-Guest Inclusion Complexes of Essential Oils with Strong Antibacterial and Antifungal Features in Beta-Cyclodextrin for Solid-State Pharmaceutical Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6597.	1.3	2
7	Emerging use of thermal analysis in the assessment of micro(nano)plastics exposure. <i>Current Opinion in Toxicology</i> , 2021, 28, 38-42.	2.6	2
8	Microplastic Contamination in Snow from Western Italian Alps. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 768.	1.2	49
9	Quantification of molecular weight discrimination in <i>grafting to</i> reactions from ultrathin polymer films by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Analyst</i> , 2021, 146, 6145-6155.	1.7	8
10	Silicon Doping by Polymer Grafting: Size Distribution Matters. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6383-6393.	2.0	8
11	Inside the brush: partition by molecular weight in <i>grafting to</i> reactions from melt. <i>Polymer Chemistry</i> , 2021, 12, 6538-6547.	1.9	6
12	Magnetic molecularly imprinted multishell particles for zearalenone recognition. <i>Polymer</i> , 2020, 188, 122102.	1.8	7
13	HPLC method for the determination of monomer conversion and composition during the poly(styrene- <i>co</i> -methylmethacrylate) polymerization. <i>International Journal of Polymer Analysis and Characterization</i> , 2020, 25, 188-197.	0.9	0
14	Tailored and Guided Dewetting of Block Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2020, 53, 7207-7217.	2.2	6
15	Effect of Trapped Solvent on the Interface between PS- <i>co</i> -PMMA Thin Films and P(S- <i>co</i> -MMA) Brush Layers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7777-7787.	4.0	21
16	Thermal Degradation in Ultrathin Films Outperforms Dose Control of n-Type Polymeric Dopants for Silicon. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1807-1816.	2.0	15
17	Effect of shell structure of Ti-immobilized metal ion affinity chromatography core-shell magnetic particles for phosphopeptide enrichment. <i>Scientific Reports</i> , 2019, 9, 15782.	1.6	7
18	New Hints on the Maya Blue Formation Process by PCA-Assisted In Situ XRPD/PDF and Optical Spectroscopy. <i>Chemistry - A European Journal</i> , 2019, 25, 11503-11511.	1.7	17

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19	Wine evolution during bottle aging, studied by ¹ H NMR spectroscopy and multivariate statistical analysis. <i>Food Research International</i> , 2019, 116, 566-577.	2.9	39
20	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. <i>Talanta</i> , 2018, 178, 274-281.	2.9	42
21	Control of Doping Level in Semiconductors via Self-Limited Grafting of Phosphorus End-Terminated Polymers. <i>ACS Nano</i> , 2018, 12, 178-186.	7.3	35
22	Facile preparation methods of hydrotalcite layered materials and their structural characterization by combined techniques. <i>Inorganica Chimica Acta</i> , 2018, 470, 36-50.	1.2	71
23	Multishell hybrid magnetic nanoparticles for phosphopeptide enrichment. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
24	On the Rehydration of Organic Layered Double Hydroxides to form Low-Ordered Carbon/LDH Nanocomposites. <i>Inorganics</i> , 2018, 6, 79.	1.2	4
25	Relaxation Dynamics in Polyethylene Glycol/Modified Hydrotalcite Nanocomposites. <i>Polymers</i> , 2018, 10, 1182.	2.0	4
26	Analysis of phosphorus-end capped functional polymers, from bulk to ultrathin films. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
27	Biodegradation of unvulcanized natural rubber by microorganisms isolated from soil and rubber surface: A preliminary study. <i>Bioremediation Journal</i> , 2018, 22, 43-52.	1.0	18
28	Deterministic doping via self-limited grafting of phosphorus end-terminated polymers. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
29	Boron-terminated polystyrene as potential spin-on dopant for microelectronic applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
30	From grafting to to grafting from. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
31	Effect of Entrapped Solvent on the Evolution of Lateral Order in Self-Assembled P(S- <i>r</i> -MMA)/PS- <i>b</i> -PMMA Systems with Different Thicknesses. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31215-31223.	4.0	15
32	Toward Lateral Length Standards at the Nanoscale Based on Diblock Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15685-15697.	4.0	14
33	TGA- ¹³ C MS quantitative analysis of phosphorus-end capped functional polymers in bulk and ultrathin films. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 128, 238-245.	2.6	16
34	Effects of area, year and climatic factors on Barbera wine characteristics studied by the combination of ¹ H-NMR metabolomics and chemometrics. <i>Journal of Wine Research</i> , 2017, 28, 259-277.	0.9	9
35	High temperature surface neutralization process with random copolymers for block copolymer self-assembly. <i>Polymer International</i> , 2017, 66, 459-467.	1.6	21
36	One pot synthesis of low cost emitters with large Stokes' shift. <i>Dyes and Pigments</i> , 2017, 137, 152-164.	2.0	50

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37	Molar mass and composition effects on the thermal stability of functional P(S- <i>r</i> -MMA) random copolymers for nanolithographic applications. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 581-588.	1.7	4
38	Antioxidant Composition of a Selection of Italian Red Wines and Their Corresponding Free-Radical Scavenging Ability. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	0.9	12
39	High-Throughput Preparation of New Photoactive Nanocomposites. <i>ChemSusChem</i> , 2016, 9, 1279-1289.	3.6	18
40	Micrometer-Scale Ordering of Silicon-Containing Block Copolymer Thin Films via High-Temperature Thermal Treatments. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9897-9908.	4.0	19
41	Rationalization of liquid assisted grinding intercalation yields of organic molecules into layered double hydroxides by multivariate analysis. <i>RSC Advances</i> , 2016, 6, 108431-108439.	1.7	11
42	Surface engineering with functional random copolymers for nanolithographic applications. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
43	Neutral wetting brush layers for block copolymer thin films using homopolymer blends. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
44	Composition of ultrathin binary polymer brushes by thermogravimetry-gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3155-3163.	1.9	6
45	Enhanced Lateral Ordering in Cylinder Forming PS- <i>b</i> -PMMA Block Copolymers Exploiting the Entrapped Solvent. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8280-8288.	4.0	22
46	Structural characterization of complex LDH samples and TGA-GC-MS study of thermal response and carbonate contamination in nitrate and organic-exchanged hydrotalcites. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s494-s494.	0.0	0
47	Structural Characterisation of Complex Layered Double Hydroxides and TGA-GC-MS Study on Thermal Response and Carbonate Contamination in Nitrate- and Organic-Exchanged Hydrotalcites. <i>Chemistry - A European Journal</i> , 2015, 21, 14975-14986.	1.7	53
48	Neutral wetting brush layers for block copolymer thin films using homopolymer blends processed at high temperatures. <i>Nanotechnology</i> , 2015, 26, 415603.	1.3	15
49	Chemical and Microbiological Characterization for PDO Labelling of Typical East Piedmont (Italy) Salami. <i>Journal of Chemistry</i> , 2015, 2015, 1-22.	0.9	2
50	Thermal Stability of Functional P(S- <i>r</i> -MMA) Random Copolymers for Nanolithographic Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3920-3930.	4.0	28
51	PM10 in a background urban site: Chemical characteristics and biological effects. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 833-844.	2.0	38
52	Ultrathin Random Copolymer-Grafted Layers for Block Copolymer Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10944-10951.	4.0	71
53	Effect of arbuscular mycorrhizal and bacterial inocula on nitrate concentration in mesocosms simulating a wastewater treatment system relying on phytodepuration. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18616-18625.	2.7	13
54	Facile Intercalation of Organic Molecules into Hydrotalcites by Liquid-Assisted Grinding: Yield Optimization by a Chemometric Approach. <i>Crystal Growth and Design</i> , 2015, 15, 5368-5374.	1.4	16

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55	Scaling of correlation length in lamellae forming PS- <i>b</i> -PMMA thin films upon high temperature rapid thermal treatments. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8618-8624.	2.7	29
56	Evolution of lateral ordering in symmetric block copolymer thin films upon rapid thermal processing. <i>Nanotechnology</i> , 2014, 25, 275601.	1.3	26
57	Thermally induced self-assembly of cylindrical nanodomains in low molecular weight PS- <i>b</i> -PMMA thin films. <i>Nanotechnology</i> , 2014, 25, 045301.	1.3	31
58	Characterization of ultra-thin polymeric films by Gas chromatography-Mass spectrometry hyphenated to thermogravimetry. <i>Journal of Chromatography A</i> , 2014, 1368, 204-210.	1.8	31
59	Ordering dynamics in symmetric PS- <i>b</i> -PMMA diblock copolymer thin films during rapid thermal processing. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6655-6664.	2.7	54
60	Flash grafting of functional random copolymers for surface neutralization. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4909-4917.	2.7	43
61	Rationalization of Dye Uptake on Titania Slides for Dye-sensitized Solar Cells by a Combined Chemometric and Structural Approach. <i>ChemSusChem</i> , 2014, 7, 3039-3052.	3.6	19
62	Fine Tuning of Lithographic Masks through Thin Films of PS- <i>b</i> -PMMA with Different Molar Mass by Rapid Thermal Processing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7180-7188.	4.0	64
63	Carbonate contamination in nitrate and organic hydrotalcites by XRPD/TGA-GC-MS. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C955-C955.	0.0	1
64	Study on the photodegradation of amidosulfuron in aqueous solutions by LC-MS/MS. <i>Environmental Science and Pollution Research</i> , 2013, 20, 9034-9043.	2.7	10
65	On the Thermal Stability of PS- <i>b</i> -PMMA Block and P(S- <i>r</i> -MMA) Random Copolymers for Nanopatterning Applications. <i>Macromolecules</i> , 2013, 46, 8224-8234.	2.2	43
66	Rapid thermal processing of self-assembling block copolymer thin films. <i>Nanotechnology</i> , 2013, 24, 315601.	1.3	72
67	PCA and DOE analysis of intercalation yield into hydrotalcites by liquid-assisted grinding. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s637-s637.	0.3	0
68	HPLC-DAD-MSn to investigate the photodegradation pathway of nicosulfuron in aqueous solution. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1705-1714.	1.9	23
69	Polyene-diphenylaniline D5 dyes and their role in the efficiency of DSSC solar cells. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C96-C97.	0.3	0
70	USE OF ARBUSCULAR MYCORRHIZAL FUNGI AND BENEFICIAL SOIL BACTERIA TO IMPROVE YIELD AND QUALITY OF SAFFRON (<i>CROCUS SATIVUS</i> L.). <i>Acta Horticulturae</i> , 2010, , 159-164.	0.1	28
71	Sun light degradation of 4-chloroaniline in waters and its effect on toxicity. A high performance liquid chromatography - Diode array - Tandem mass spectrometry study. <i>Environmental Pollution</i> , 2010, 158, 592-598.	3.7	40
72	DNA damage in A549 cells exposed to different extracts of PM2.5 from industrial, urban and highway sites. <i>Chemosphere</i> , 2009, 77, 1030-1034.	4.2	70

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73	Hydrolytic and photoinduced degradation of tribenuron methyl studied by HPLC-DAD-MS/MS. Journal of the American Society for Mass Spectrometry, 2008, 19, 1221-1229.	1.2	35
74	A new hydrophilic interaction liquid chromatography tandem mass spectrometry method for the simultaneous determination of seven biogenic amines in cheese. Journal of Chromatography A, 2008, 1185, 296-300.	1.8	81
75	Photodegradation of E110 and E122 dyes in a commercial aperitif. Journal of Chromatography A, 2008, 1202, 58-63.	1.8	33
76	The use of clays to sequestrate organic pollutants. Leaching experiments. Chemosphere, 2008, 73, 1731-1736.	4.2	25
77	Genotoxic and oxidative damage related to PM _{2.5} chemical fraction. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	0
78	HPLC-MSn and GC-MS methods to study sunlight and UV-lamp degradations of 1-amino-5-naphthalene sulfonate. Chemosphere, 2007, 67, 1993-1999.	4.2	4
79	Sunlight induced degradation of E133 in a commercial beverage. Dyes and Pigments, 2007, 74, 424-432.	2.0	19
80	High performance liquid chromatography/tandem mass spectrometry determination of biogenic amines in typical Piedmont cheeses. Journal of Chromatography A, 2007, 1149, 151-157.	1.8	96
81	Speciation of selenium in diet supplements by HPLC-MS/MS methods. Food Chemistry, 2007, 105, 1738-1747.	4.2	40
82	Sorption of Pesticides on Kaolinite and Montmorillonite as a Function of Hydrophilicity. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 333-344.	0.7	45
83	Sorption and Desorption Behavior of Chloroanilines and Chlorophenols on Montmorillonite and Kaolinite. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 765-779.	0.7	24
84	HPLC-UV and HPLC-MSn multiresidue determination of amidosulfuron, azimsulfuron, nicosulfuron, rimsulfuron, thifensulfuron methyl, tribenuron methyl and azoxystrobin in surface waters. Analytica Chimica Acta, 2006, 579, 146-151.	2.6	106
85	HPLC-MSn to Investigate the Oxidative Destruction Pathway of Aromatic Sulfonate Wastes. Journal of Environmental Quality, 2005, 34, 2328-2333.	1.0	15
86	HPLC-MS degradation study of E110 Sunset Yellow FCF in a commercial beverage. Journal of Chromatography A, 2005, 1090, 107-115.	1.8	64
87	Sorption studies of chloroanilines on kaolinite and montmorillonite. Environmental Pollution, 2005, 134, 35-43.	3.7	46
88	Statistical evaluation of recovery of 3,4-dichloroaniline in soil as function of particle size and analyte concentration. Talanta, 2005, 68, 93-98.	2.9	16
89	Chemometrically Assisted Development of IP-HPLC and Spectrophotometric Methods for the Identification and Determination of Synthetic Dyes in Commercial Soft Drinks. Journal of Liquid Chromatography and Related Technologies, 2005, 28, 923-937.	0.5	33
90	Oxidative degradation of food dye E133 Brilliant Blue FCF. Journal of Chromatography A, 2004, 1054, 379-387.	1.8	14

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91	Optimization by experimental design and artificial neural networks of the ion-interaction reversed-phase liquid chromatographic separation of twenty cosmetic preservatives. <i>Journal of Chromatography A</i> , 2004, 1029, 57-65.	1.8	67
92	Electroassisted methods for waste destruction: Silver(II) and peroxydisulfate reagents in the electrochemically mediated oxidation of polyaromatic sulfonates. <i>Chemosphere</i> , 2004, 57, 587-594.	4.2	15
93	Oxidative degradation of food dye E133 Brilliant Blue FCF. Liquid chromatography-electrospray mass spectrometry identification of the degradation pathway. <i>Journal of Chromatography A</i> , 2004, 1054, 379-387.	1.8	39
94	Oxidative degradation of food dye E133 Brilliant Blue FCF. Liquid chromatography-electrospray mass spectrometry identification of the degradation pathway. <i>Journal of Chromatography A</i> , 2004, 1054, 379-87.	1.8	43
95	A chemometric investigation of the effect of the cheese-making process on contents of biogenic amines in a semi-hard Italian cheese (Toma). <i>Food Chemistry</i> , 2003, 82, 545-551.	4.2	28
96	Intercalibration of chromatographic methods for auxino phytodrugs in Solanaceae. <i>Journal of Chromatography A</i> , 2003, 993, 111-119.	1.8	12
97	Simultaneous reversed-phase high-performance liquid chromatographic separation of mono-, di- and trichloroanilines through a gradient elution optimised by experimental design. <i>Journal of Chromatography A</i> , 2002, 945, 287-292.	1.8	23
98	A TEST OF ROBUSTNESS IN IIR-RP-HPLC SEPARATION OF NINE PRIORITY POLLUTANT PHENOLS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 341-353.	0.5	4
99	Computational studies of the reaction of the hydroxyl radical with hydrofluorocarbons (HFCs) and hydrofluoroethers (HFEs). <i>Journal of Fluorine Chemistry</i> , 2001, 109, 113-121.	0.9	25
100	New strategies for the determination of phenylurea pesticides by gas chromatography with hot splitless inlet systems. <i>Journal of Chromatography A</i> , 2001, 910, 79-86.	1.8	29
101	A Simplex-Optimized Chromatographic Separation of Fourteen Cosmetic Preservatives: Analysis of Commercial Products. <i>Journal of Chromatographic Science</i> , 2001, 39, 339-344.	0.7	22
102	Chemometrically assisted simultaneous separation of 21 aromatic sulfonates in ion-interaction RP-HPLC. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 53, 57-67.	1.8	15
103	ION-INTERACTION RP-HPLC SEPARATION OF INORGANIC ANIONS ON POROUS GRAPHITIZED CARBON STATIONARY PHASE. COMPARISON WITH ODS STATIONARY PHASE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 2599-2613.	0.5	4
104	Optimization of the separation of mono- and dichloroanilines in ion interaction high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1999, 863, 1-11.	1.8	25
105	CHROMATOGRAPHIC DETERMINATION OF UV ABSORBERS IN CAR PAINTS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 2689-2700.	0.5	3
106	Suitability of different C18 silica-based stationary phases for the transferability of an Ion-Interaction HPLC method. <i>Analisis - European Journal of Analytical Chemistry</i> , 1999, 27, 742-748.	0.4	2