Ornella Ursini

List of Publications by Year
in descending order

85 papers	1,249 citations	430442 18 h-index	476904 29 g-index
87 all docs	87 docs citations	87 times ranked	1409 citing authors

#	Article	IF	Citations
1	Understanding the metal free alginate gelation process. RSC Advances, 2021, 11, 34449-34455.	1.7	4
2	Fullerene Radiolysis in Astrophysical Ice Analogs: A Mass Spectrometric Study of the Products. Astrobiology, 2019, 19, 903-914.	1.5	5
3	One-pot synthesis and characterization of polyynes end-capped by biphenyl groups (Î±,Ï‰-biphenylpolyynes). Carbon, 2018, 126, 232-240.	5.4	14
4	Ethyl oleate ozonide as an epoxidation tool of C60 and C70 fullerenes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 151-155.	1.0	3
5	Adsorption of dinitrogen tetroxide on activated carbon fabric derived from novolacs. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 589-601.	1.0	7
6	Influence of cultivation sites on sterol, nitrate, total phenolic contents and antioxidant activity in endive and stem chicory edible products. International Journal of Food Sciences and Nutrition, 2017, 68, 52-64.	1.3	16
7	Capillary methacrylate-based monoliths by grafting from/to Î³-ray polymerization on a tentacle-type reactive surface for the liquid chromatographic separations of small molecules and intact proteins. Journal of Chromatography A, 2017, 1498, 46-55.	1.8	15
8	Surface modification of activated carbon fabric with ozone. Part 3: Thermochemical aspects and electron spin resonance. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 406-413.	1.0	4
9	Surface modification of activated carbon fabric with ozone. Part 2: Thermal analysis with TGA-FTIR and DTA. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 400-405.	1.0	7
10	Separation of intact proteins on Î³â€rayâ€induced polymethacrylate monolithic columns: A highly permeable stationary phase with high peak capacity for capillary highâ€performance liquid chromatography with highâ€resolution mass spectrometry. Journal of Separation Science, 2016, 39, 264-271.	1.3	20
11	Surface modification of activated carbon fabric with ozone, part 1: Kinetics and oxidation degree. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 313-323.	1.0	6
12	A new route to graphene starting from heavily ozonized fullerenes: Part 3 â€“ an electron spin resonance study. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 195-201.	1.0	12
13	A new route to graphene starting from heavily ozonized fullerenes: Part 2â€”oxidation in air. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 62-66.	1.0	11
14	Synthesis of silver nanoparticles by radiolysis, photolysis and chemical reduction of AgNO3 in Hibiscus sabdariffa infusion (karkadÃ©). Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 447-455.	0.7	3
15	A new route to graphene starting from heavily ozonized fullerenes: Part 1â€”thermal reduction under inert atmosphere. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 52-61.	1.0	14
16	Amino acids chemical stability submitted to solid state irradiation: the case study of leucine, isoleucine and valine. SpringerPlus, 2015, 4, 541.	1.2	13
17	On The Action of Ozone on Single-Wall Carbon Nanohorns (SWCNH). Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1095-1102.	1.0	5
18	Towards controlled cationic polymer growth from inorganic oxide defects: Directing the mechanism of polystyrene grafting from Î³-irradiated silica. Polymer, 2014, 55, 5043-5049.	1.8	3

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19	Mass spectrometric analysis of selected radiolyzed amino acids in an astrochemical context. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 1061-1073.	0.7	8
20	Thermal behaviour of poly(dimethylsiloxane) hybrid silicas prepared by radiation grafting. Journal of Thermal Analysis and Calorimetry, 2013, 112, 703-711.	2.0	1
21	Synthesis and explosive decomposition of polynitro[60]fullerene. Carbon, 2013, 62, 413-421.	5.4	31
22	Polymerization, grafting and adsorption in the presence of inorganic substrates: Thermal polymerization of styrene with untreated and Î³-irradiated silica gel as a case study. Polymer, 2013, 54, 6695-6701.	1.8	1
23	Thermal Properties, Raman Spectroscopy and Tem Images of Neutron-Bombarded Graphite. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 634-643.	1.0	15
24	Antioxidant Effect of C₆₀and C₇₀Fullerene in the Autoxidation of Ethyl Oleate. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 624-633.	1.0	11
25	Ultrasound-assisted Bromination. Part 1: Bromination of C₆₀and C₇₀. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 346-356.	1.0	8
26	Ultrasound-assisted Bromination. Part 2. Bromination of Fullerene Black: A Comparison with Carbon Black and Graphite. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 357-366.	1.0	9
27	Fullerene C60 Trichloromethylation Through CCl4 Plasmalysis or Sonolysis. Plasma Chemistry and Plasma Processing, 2013, 33, 355-365.	1.1	10
28	The Oxidative Mechanism in Electrophilic Cï£¿H Activation: The Case of CH₂F₂ and CH₂Cl₂. Chemistry - an Asian Journal, 2013, 8, 588-595.	1.7	5
29	Selective Activation of Cï£¿Cl and Cï£¿F Bonds by SO^{.+} Radical Cations: An Experimental and Computational Study. ChemPlusChem, 2013, 78, 1065-1072.	1.3	7
30	Mechanistic Aspects of Gasâ€Phase Hydrogenâ€Atom Transfer from Methane to [CO]^{.+} and [SiO]^{.+}: Why Do They Differ?. Chemistry - A European Journal, 2013, 19, 6662-6669.	1.7	23
31	Synthesis of Expanded Graphite Flakes by the Submerged Carbon Arc in Oleum. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 152-162.	1.0	5
32	Synthesis of cis- and trans-polyisoprene adduct with nitrogen dioxide (NO2/N2O4 mixture) and a study of the thermal stability of the adduct. Polymer Degradation and Stability, 2012, 97, 1090-1100.	2.7	7
33	Synthesis of polyarylacetylenes by Î³â€rayâ€induced polymerization of terminal alkynes. Nanostructures of orthoâ€substituted derivatives. Journal of Polymer Science Part A, 2012, 50, 5097-5106.	2.5	11
34	Linking Ion and Neutral Chemistry in Cï£¿H Bond Electrophilic Activation: Generation and Detection of HO₂[.] Reactive Radicals in the Gas Phase. Angewandte Chemie - International Edition, 2012, 51, 1455-1458.	7.2	6
35	Surface Reaction of Ozone at High Concentration with Isotactic And Syndiotactic Polypropylene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 607-618.	1.2	5
36	Graphite Oxide and Graphene Nanoribbons Reduction with Hydrogen Iodide. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 461-468.	1.0	31

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37	Radiolysis and radioracemization of 20 amino acids from the beginning of the Solar System. Rendiconti Lincei, 2011, 22, 81-94.	1.0	20
38	Efficient organic monoliths prepared by Î³-radiation induced polymerization in the evaluation of histone deacetylase inhibitors by capillary(nano)-high performance liquid chromatography and ion trap mass spectrometry. Journal of Chromatography A, 2011, 1218, 3862-3875.	1.8	16
39	Radiation-induced polymerization of Î²(+)-pinene and synthesis of optically active Î²(+)/Î²(â^')pinene polymers and copolymers. Radiation Physics and Chemistry, 2011, 80, 723-730.	1.4	7
40	On the action of ozone at high concentration on various grades of polyethylene and certain straight chain paraffins. Polymer Degradation and Stability, 2011, 96, 955-964.	2.7	12
41	On the Way to Graphene: The Bottom-Up Approach to Very Large PAHs Using the Scholl Reaction. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 713-725.	1.0	34
42	3H NMR of the tritiated isotopologues of methane in nematic liquid-crystal solvents. Chemical Physics Letters, 2010, 486, 21-26.	1.2	6
43	Surface oxidation of rubber crumb with ozone. Polymer Degradation and Stability, 2010, 95, 803-810.	2.7	41
44	Synthesis of fullerene-silica hybrid materials. Journal of Radioanalytical and Nuclear Chemistry, 2010, 284, 179-187.	0.7	1
45	Double Cï£¿H Activation of Ethane by Metalâ€Free SO₂^{.+} Radical Cations. Chemistry - A European Journal, 2010, 16, 6234-6242.	1.7	32
46	Asymmetric radiation-induced inclusion polymerization of 3-methyl-1,4-pentadiene in deoxycholic acid. Radiation Physics and Chemistry, 2010, 79, 57-63.	1.4	7
47	TGAâ€“FT-IR study of pyrolysis of poly(hydrogen cyanide) synthesized from thermal decomposition of formamide. Implications in cometary emissions. Journal of Analytical and Applied Pyrolysis, 2010, 87, 34-44.	2.6	29
48	Graphene nanoribbons produced by the oxidative unzipping of single-wall carbon nanotubes. Carbon, 2010, 48, 2596-2602.	5.4	119
49	Amino acids in comets and meteorites: stability under gamma radiation and preservation of the enantiomeric excess. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	7
50	Ozonolysis of Î±-PINENE, Î²-PINENE,d-andl-Turpentine Oil Studied by Chirooptical Methods; Some Implications on the Atmospheric Chemistry of Biogenic Volatile Organic Compounds. Ozone: Science and Engineering, 2010, 32, 274-285.	1.4	16
51	Simple Synthesis of Î±,Ï‰-Diarylpolyynes Part 1: Diphenylpolyynes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 739-746.	1.2	21
52	Radiation-Induced Inclusion Polymerization of Î² (â^')Pinene In Deoxycholic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 493-502.	1.2	14
53	MWCNTs Elastomer Nanocomposite, Part 2: The Addition of MWCNTs to an Oilâ€extended SBRâ€based Carbon Blackâ€filled Rubber Compound. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 55-66.	1.0	12
54	Methane Activation by Metalâ€Free Radical Cations: Experimental Insight into the Reaction Intermediate. Chemistry - A European Journal, 2009, 15, 4248-4252.	1.7	108

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55	CEC enantioseparations of carboxylic acids on silicaâ€based monoliths modified with ergot alkaloid derivative. Electrophoresis, 2009, 30, 2890-2896.	1.3	7
56	Synthesis and chemical structure of natural rubber adduct with SO2 and study of the thermal stability. Polymer Degradation and Stability, 2009, 94, 921-928.	2.7	5
57	Inclusion polymerization of isoprene in deoxycholic acid. Radiation Physics and Chemistry, 2009, 78, 338-344.	1.4	7
58	MWCNTs Elastomer Nanocomposite, Part 1: The Addition of MWCNTs to a Natural Rubberâ€based Carbon Blackâ€filled Rubber Compound. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 38-54.	1.0	50
59	Water activation by SO2Ë™+ ions: an effective source of OHË™ radicals. Physical Chemistry Chemical Physics, 2009, 11, 9976.	1.3	21
60	Synthesis and Study of the Thermal and Chiro-Optical Properties of Polyacetylenes with Bulky Side Groups: Poly(1-ethynyl-4-biphenyl), Poly(1-ethynyl-4- phenoxybenzene) and Poly(1-ethynyl-4-pentylbenzene). Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 860-869.	1.2	2
61	A Comparative Study on the Reinforcing Effect of Aramide and PET Short Fibers in a Natural Rubber-Based Composite. Journal of Macromolecular Science - Physics, 2009, 48, 1241-1251.	0.4	10
62	Radiation-cured polyisoprene/C60 fullerene nanocomposite. Radiation Physics and Chemistry, 2008, 77, 742-750.	1.4	10
63	Synthesis of highly crystalline poly(dimethylbutadiene) (PDMB) by radiation-induced inclusion polymerization: A comparison with PDMBs synthesized by bulk and emulsion polymerization. Radiation Physics and Chemistry, 2008, 77, 941-948.	1.4	12
64	Radiation-induced polymerization and grafting of Î²(âˆ')pinene on silica surface. Radiation Physics and Chemistry, 2008, 77, 561-570.	1.4	14
65	Radiation-cured polyisoprene/C60 fullerene nanocomposite. Part 1: Synthesis in hexane and in toluene. Radiation Physics and Chemistry, 2008, 77, 734-741.	1.4	9
66	Radioracemization and radiation-induced chiral amplification of chiral terpenes measured by optical rotatory dispersion (ORD) spectroscopy. Radiation Physics and Chemistry, 2008, 77, 961-967.	1.4	11
67	Adsorption of Dinitrogen Tetroxide (N₂O₄) on Multiâ€walled Carbon Nanotubes (MWCNTs). Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 154-164.	1.0	10
68	Polyynes Decomposition with Î³ Radiation. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 272-281.	1.0	3
69	Radiation-Induced Polymerization of Vinylidene Chloride in Bulk and Included in Thiourea Crystals. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 46, 16-24.	1.2	3
70	Determination of the Chemical Structure of Poly-Î² (-)-pinene by NMR Spectroscopy. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 839-849.	1.2	15
71	Radiationâ€induced Synthesis of Fullereneâ€Silica Hybrid Nanomaterials. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 445-463.	1.0	7
72	The Role of Carbon Nanostructures in the Ozonization of Different Carbon Black Grades, Together with Graphite and Rubber Crumb in an IR Gas Cell. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 1-20.	1.0	24

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73	A Study on the Optically Active Polymer Polyâ€Î²â€pinene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1225-1234.	1.2	21
74	Radiation-Cured Nanocomposites Based on Diene Rubber and Nanoclay. Progress in Rubber, Plastics and Recycling Technology, 2007, 23, 209-221.	0.8	8
75	Kinetics of polyynes formation with the submerged carbon arc. Journal of Electroanalytical Chemistry, 2007, 602, 82-90.	1.9	14
76	Isotope exchange in disulfur monoxide-water charged complexes: A mass spectrometric and computational study. Journal of the American Society for Mass Spectrometry, 2007, 18, 1664-1671.	1.2	2
77	The investigation on cationic exchange capacity of zeolites: The use as selective ion trappers in the electrokinetic soil technique. Journal of Hazardous Materials, 2006, 137, 1079-1088.	6.5	19
78	The N3+ Reactivity in Ionized Gases Containing Sulfur, Nitrogen, and Carbon Oxides. ChemPhysChem, 2006, 7, 2105-2114.	1.0	8
79	Enolate Structure and Electron Affinity. Journal of Physical Chemistry A, 2005, 109, 8785-8793.	1.1	13
80	Simplified synthesis of 1,1â€²[14C]-methylene-di(2-naphthol). A radiochemical and kinetic approach. Journal of Labelled Compounds and Radiopharmaceuticals, 2004, 47, 543-556.	0.5	4
81	Isotope Exchange in Ionised CO2/COMixtures: The Role of Asymmetrical C2O3+ Ions. Chemistry - A European Journal, 2004, 10, 6411-6421.	1.7	6
82	Chirality of products in acid-catalysed rearrangement of α-pinene. Reaction Kinetics and Catalysis Letters, 2003, 78, 267-273.	0.6	0
83	Isomerization of 1,6-dimethylcyclohexadienyl cations obtained in the gas phase from insertion of ortho-tolylium ions into methane at 1â€“3 atm pressure. Does it involve excited or thermal species?. International Journal of Mass Spectrometry and Ion Processes, 1996, 155, 185-190.	1.9	2
84	PLS versus zeolites as sorbents and catalysts II. Terpene conversions in alumina-pillared clays and phosphates and medium pore zeolites. Applied Catalysis A: General, 1995, 132, 353-365.	2.2	40
85	Ionic Lewis superacids in the gas phase. Part 1. Ionic intermediates from the attack of gaseous SiF+3 on n-bases. International Journal of Mass Spectrometry and Ion Processes, 1993, 124, 21-36.	1.9	29