

# Ornella Ursini

## List of Publications by Year in descending order

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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	Graphene nanoribbons produced by the oxidative unzipping of single-wall carbon nanotubes. Carbon, 2010, 48, 2596-2602.	5.4	119
2	Methane Activation by Metal-Free Radical Cations: Experimental Insight into the Reaction Intermediate. Chemistry - A European Journal, 2009, 15, 4248-4252.	1.7	108
3	MWCNTs Elastomer Nanocomposite, Part 1: The Addition of MWCNTs to a Natural Rubber-based Carbon Black-filled Rubber Compound. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 38-54.	1.0	50
4	Surface oxidation of rubber crumb with ozone. Polymer Degradation and Stability, 2010, 95, 803-810.	2.7	41
5	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
6	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
7	Double C-H Activation of Ethane by Metal-Free SO <sub>2</sub> <sup>+</sup> Radical Cations. Chemistry - A European Journal, 2010, 16, 6234-6242.	1.7	32
8	Graphite Oxide and Graphene Nanoribbons Reduction with Hydrogen Iodide. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 461-468.	1.0	31
9	Synthesis and explosive decomposition of polynitro[60]fullerene. Carbon, 2013, 62, 413-421.	5.4	31
10	Ionic Lewis superacids in the gas phase. Part 1. Ionic intermediates from the attack of gaseous SiF <sub>3</sub> on n-bases. International Journal of Mass Spectrometry and Ion Processes, 1993, 124, 21-36.	1.9	29
11	TGA-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
12	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
13	Mechanistic Aspects of Gas-Phase Hydrogen-Atom Transfer from Methane to [CO] <sup>+</sup> and [SiO] <sup>+</sup> : Why Do They Differ?. Chemistry - A European Journal, 2013, 19, 6662-6669.	1.7	23
14	A Study on the Optically Active Polymer Poly( $\alpha$ -pinene). Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1225-1234.	1.2	21
15	Water activation by SO <sub>2</sub> <sup>+</sup> ions: an effective source of OH <sup>•</sup> radicals. Physical Chemistry Chemical Physics, 2009, 11, 9976.	1.3	21
16	Simple Synthesis of $\beta$ -Diarylpolyynes Part 1: Diphenylpolyynes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 739-746.	1.2	21
17	Radiolysis and radoracemization of 20 amino acids from the beginning of the Solar System. Rendiconti Lincei, 2011, 22, 81-94.	1.0	20
18	Separation of intact proteins on Cray-induced polymethacrylate monolithic columns: A highly permeable stationary phase with high peak capacity for capillary high-performance liquid chromatography with high-resolution mass spectrometry. Journal of Separation Science, 2016, 39, 264-271.	1.3	20

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19	The investigation on cationic exchange capacity of zeolites: The use as selective ion trappers in the electrokinetic soil technique. <i>Journal of Hazardous Materials</i> , 2006, 137, 1079-1088.	6.5	19
20	Ozonolysis of $\hat{1}\pm$ -PINENE, $\hat{1}^2$ -PINENE, d-and-l-Turpentine Oil Studied by Chiroptical Methods; Some Implications on the Atmospheric Chemistry of Biogenic Volatile Organic Compounds. <i>Ozone: Science and Engineering</i> , 2010, 32, 274-285.	1.4	16
21	Efficient organic monoliths prepared by $\hat{1}^3$ -radiation induced polymerization in the evaluation of histone deacetylase inhibitors by capillary(nano)-high performance liquid chromatography and ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 3862-3875.	1.8	16
22	Influence of cultivation sites on sterol, nitrate, total phenolic contents and antioxidant activity in endive and stem chicory edible products. <i>International Journal of Food Sciences and Nutrition</i> , 2017, 68, 52-64.	1.3	16
23	Determination of the Chemical Structure of Poly- $\hat{1}^2$ (-)-pinene by NMR Spectroscopy. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 839-849.	1.2	15
24	Thermal Properties, Raman Spectroscopy and Tem Images of Neutron-Bombarded Graphite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 634-643.	1.0	15
25	Capillary methacrylate-based monoliths by grafting from/to $\hat{1}^3$ -ray polymerization on a tentacle-type reactive surface for the liquid chromatographic separations of small molecules and intact proteins. <i>Journal of Chromatography A</i> , 2017, 1498, 46-55.	1.8	15
26	Kinetics of polyynes formation with the submerged carbon arc. <i>Journal of Electroanalytical Chemistry</i> , 2007, 602, 82-90.	1.9	14
27	Radiation-induced polymerization and grafting of $\hat{1}^2$ ( $\hat{a}^{\sim}$ )pinene on silica surface. <i>Radiation Physics and Chemistry</i> , 2008, 77, 561-570.	1.4	14
28	Radiation-Induced Inclusion Polymerization of $\hat{1}^2$ ( $\hat{a}^{\sim}$ )Pinene In Deoxycholic Acid. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 493-502.	1.2	14
29	A new route to graphene starting from heavily ozonized fullerenes: Part 1 "thermal reduction under inert atmosphere. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 52-61.	1.0	14
30	One-pot synthesis and characterization of polyynes end-capped by biphenyl groups ( $\hat{1}\pm$ , $\hat{1}\%$ -biphenylpolyynes). <i>Carbon</i> , 2018, 126, 232-240.	5.4	14
31	Enolate Structure and Electron Affinity. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8785-8793.	1.1	13
32	Amino acids chemical stability submitted to solid state irradiation: the case study of leucine, isoleucine and valine. <i>SpringerPlus</i> , 2015, 4, 541.	1.2	13
33	Synthesis of highly crystalline poly(dimethylbutadiene) (PDMB) by radiation-induced inclusion polymerization: A comparison with PDMBs synthesized by bulk and emulsion polymerization. <i>Radiation Physics and Chemistry</i> , 2008, 77, 941-948.	1.4	12
34	MWCNTs Elastomer Nanocomposite, Part 2: The Addition of MWCNTs to an Oil-extended SBR-based Carbon Black-filled Rubber Compound. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 55-66.	1.0	12
35	On the action of ozone at high concentration on various grades of polyethylene and certain straight chain paraffins. <i>Polymer Degradation and Stability</i> , 2011, 96, 955-964.	2.7	12
36	A new route to graphene starting from heavily ozonized fullerenes: Part 3 " an electron spin resonance study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 195-201.	1.0	12

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37	Radioracemization and radiation-induced chiral amplification of chiral terpenes measured by optical rotatory dispersion (ORD) spectroscopy. <i>Radiation Physics and Chemistry</i> , 2008, 77, 961-967.	1.4	11
38	Synthesis of polyarylacetylenes by $\gamma$ -radiation-induced polymerization of terminal alkynes. Nanostructures of <i>ortho</i> -substituted derivatives. <i>Journal of Polymer Science Part A</i> , 2012, 50, 5097-5106.	2.5	11
39	Antioxidant Effect of C <sub>60</sub> and C <sub>70</sub> Fullerene in the Autoxidation of Ethyl Oleate. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 624-633.	1.0	11
40	A new route to graphene starting from heavily ozonized fullerenes: Part 2 "oxidation in air. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 62-66.	1.0	11
41	Radiation-cured polyisoprene/C <sub>60</sub> fullerene nanocomposite. <i>Radiation Physics and Chemistry</i> , 2008, 77, 742-750.	1.4	10
42	Adsorption of Dinitrogen Tetroxide (N <sub>2</sub> O <sub>4</sub> ) on Multi-walled Carbon Nanotubes (MWCNTs). <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008, 16, 154-164.	1.0	10
43	A Comparative Study on the Reinforcing Effect of Aramide and PET Short Fibers in a Natural Rubber-Based Composite. <i>Journal of Macromolecular Science - Physics</i> , 2009, 48, 1241-1251.	0.4	10
44	Fullerene C <sub>60</sub> Trichloromethylation Through CCl <sub>4</sub> Plasmalysis or Sonolysis. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 355-365.	1.1	10
45	Radiation-cured polyisoprene/C <sub>60</sub> fullerene nanocomposite. Part 1: Synthesis in hexane and in toluene. <i>Radiation Physics and Chemistry</i> , 2008, 77, 734-741.	1.4	9
46	Ultrasound-assisted Bromination. Part 2. Bromination of Fullerene Black: A Comparison with Carbon Black and Graphite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 357-366.	1.0	9
47	The N <sub>3</sub> <sup>+</sup> Reactivity in Ionized Gases Containing Sulfur, Nitrogen, and Carbon Oxides. <i>ChemPhysChem</i> , 2006, 7, 2105-2114.	1.0	8
48	Radiation-Cured Nanocomposites Based on Diene Rubber and Nanoclay. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2007, 23, 209-221.	0.8	8
49	Ultrasound-assisted Bromination. Part 1: Bromination of C <sub>60</sub> and C <sub>70</sub> . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 346-356.	1.0	8
50	Mass spectrometric analysis of selected radiolyzed amino acids in an astrochemical context. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 300, 1061-1073.	0.7	8
51	Radiation-Induced Synthesis of Fullerene-Silica Hybrid Nanomaterials. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 445-463.	1.0	7
52	CEC enantioseparations of carboxylic acids on silica-based monoliths modified with ergot alkaloid derivative. <i>Electrophoresis</i> , 2009, 30, 2890-2896.	1.3	7
53	Inclusion polymerization of isoprene in deoxycholic acid. <i>Radiation Physics and Chemistry</i> , 2009, 78, 338-344.	1.4	7
54	Asymmetric radiation-induced inclusion polymerization of 3-methyl-1,4-pentadiene in deoxycholic acid. <i>Radiation Physics and Chemistry</i> , 2010, 79, 57-63.	1.4	7

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55	Amino acids in comets and meteorites: stability under gamma radiation and preservation of the enantiomeric excess. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	7
56	Radiation-induced polymerization of $\hat{I}^2(+)$ -pinene and synthesis of optically active $\hat{I}^2(+)/\hat{I}^2(\hat{a}^{\sim})$ pinene polymers and copolymers. <i>Radiation Physics and Chemistry</i> , 2011, 80, 723-730.	1.4	7
57	Synthesis of cis- and trans-polyisoprene adduct with nitrogen dioxide (NO <sub>2</sub> /N <sub>2</sub> O <sub>4</sub> mixture) and a study of the thermal stability of the adduct. <i>Polymer Degradation and Stability</i> , 2012, 97, 1090-1100.	2.7	7
58	Selective Activation of C-Cl and C-F Bonds by SO <sub>2</sub> <sup>+</sup> Radical Cations: An Experimental and Computational Study. <i>ChemPlusChem</i> , 2013, 78, 1065-1072.	1.3	7
59	Surface modification of activated carbon fabric with ozone. Part 2: Thermal analysis with TGA-FTIR and DTA. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 400-405.	1.0	7
60	Adsorption of dinitrogen tetroxide on activated carbon fabric derived from novolacs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 589-601.	1.0	7
61	Isotope Exchange in Ionised CO <sub>2</sub> /CO Mixtures: The Role of Asymmetrical C <sub>2</sub> O <sub>3</sub> <sup>+</sup> Ions. <i>Chemistry - A European Journal</i> , 2004, 10, 6411-6421.	1.7	6
62	<sup>3</sup> H NMR of the tritiated isotopologues of methane in nematic liquid-crystal solvents. <i>Chemical Physics Letters</i> , 2010, 486, 21-26.	1.2	6
63	Linking Ion and Neutral Chemistry in C-H Bond Electrophilic Activation: Generation and Detection of HO <sub>2</sub> <sup>+</sup> Reactive Radicals in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1455-1458.	7.2	6
64	Surface modification of activated carbon fabric with ozone, part 1: Kinetics and oxidation degree. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 313-323.	1.0	6
65	Synthesis and chemical structure of natural rubber adduct with SO <sub>2</sub> and study of the thermal stability. <i>Polymer Degradation and Stability</i> , 2009, 94, 921-928.	2.7	5
66	Surface Reaction of Ozone at High Concentration with Isotactic And Syndiotactic Polypropylene. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 607-618.	1.2	5
67	Synthesis of Expanded Graphite Flakes by the Submerged Carbon Arc in Oleum. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 152-162.	1.0	5
68	The Oxidative Mechanism in Electrophilic C-H Activation: The Case of CH <sub>2</sub> F <sub>2</sub> and CH <sub>2</sub> Cl <sub>2</sub> . <i>Chemistry - an Asian Journal</i> , 2013, 8, 588-595.	1.7	5
69	On The Action of Ozone on Single-Wall Carbon Nanohorns (SWCNH). <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 1095-1102.	1.0	5
70	Fullerene Radiolysis in Astrophysical Ice Analogs: A Mass Spectrometric Study of the Products. <i>Astrobiology</i> , 2019, 19, 903-914.	1.5	5
71	Simplified synthesis of 1,1- <sup>14</sup> C-methylene-di(2-naphthol). A radiochemical and kinetic approach. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004, 47, 543-556.	0.5	4
72	Surface modification of activated carbon fabric with ozone. Part 3: Thermochemical aspects and electron spin resonance. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 406-413.	1.0	4

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73	Understanding the metal free alginate gelation process. RSC Advances, 2021, 11, 34449-34455.	1.7	4
74	Polyynes Decomposition with $\hat{I}^3$ Radiation. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 272-281.	1.0	3
75	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
76	Towards controlled cationic polymer growth from inorganic oxide defects: Directing the mechanism of polystyrene grafting from $\hat{I}^3$ -irradiated silica. Polymer, 2014, 55, 5043-5049.	1.8	3
77	Synthesis of silver nanoparticles by radiolysis, photolysis and chemical reduction of AgNO <sub>3</sub> in Hibiscus sabdariffa infusion (karkad��). Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 447-455.	0.7	3
78	Ethyl oleate ozonide as an epoxidation tool of C <sub>60</sub> and C <sub>70</sub> fullerenes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 151-155.	1.0	3
79	Isomerization of 1,6-dimethylcyclohexadienyl cations obtained in the gas phase from insertion of ortho-tolylum ions into methane at $1\hat{a}^{\text{e}}3$ atm pressure. Does it involve excited or thermal species?. International Journal of Mass Spectrometry and Ion Processes, 1996, 155, 185-190.	1.9	2
80	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
81	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
82	Synthesis of fullerene-silica hybrid materials. Journal of Radioanalytical and Nuclear Chemistry, 2010, 284, 179-187.	0.7	1
83	Thermal behaviour of poly(dimethylsiloxane) hybrid silicas prepared by radiation grafting. Journal of Thermal Analysis and Calorimetry, 2013, 112, 703-711.	2.0	1
84	Polymerization, grafting and adsorption in the presence of inorganic substrates: Thermal polymerization of styrene with untreated and $\hat{I}^3$ -irradiated silica gel as a case study. Polymer, 2013, 54, 6695-6701.	1.8	1
85	Chirality of products in acid-catalysed rearrangement of $\hat{\#}945$ -pinene. Reaction Kinetics and Catalysis Letters, 2003, 78, 267-273.	0.6	0