

# Franco Cataldo

## List of Publications by Year in descending order

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287  
papers

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94269

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289  
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289  
docs citations

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times ranked

4008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of polyynes in a submerged electric arc in organic solvents. Carbon, 2004, 42, 129-142.	5.4	134
2	Graphene nanoribbons produced by the oxidative unzipping of single-wall carbon nanotubes. Carbon, 2010, 48, 2596-2602.	5.4	119
3	C60O3, a Fullerene Ozonide: Synthesis and Dissociation to C60 and O2. Journal of the American Chemical Society, 2000, 122, 11473-11479.	6.6	107
4	On the action of ozone on proteins. Polymer Degradation and Stability, 2003, 82, 105-114.	2.7	104
5	The impact of a fullerene-like concept in carbon black science. Carbon, 2002, 40, 157-162.	5.4	94
6	Raman spectroscopy as a tool to investigate the structure and electronic properties of carbon-atom wires. Beilstein Journal of Nanotechnology, 2015, 6, 480-491.	1.5	83
7	On the ozone protection of polymers having non-conjugated unsaturation. Polymer Degradation and Stability, 2001, 72, 287-296.	2.7	81
8	Infrared spectroscopy and integrated molar absorptivity of C60 and C70 fullerenes at extreme temperatures. Monthly Notices of the Royal Astronomical Society, 2011, 413, 213-222.	1.6	80
9	Stability of C <sub>60</sub> and C <sub>70</sub> fullerenes toward corpuscular and $\hat{\text{I}}^3$ radiation. Monthly Notices of the Royal Astronomical Society, 2009, 394, 615-623.	1.6	67
10	A STUDY ON THE THERMAL STABILITY TO 1000°C OF VARIOUS CARBON ALLOTROPES AND CARBONACEOUS MATTER BOTH UNDER NITROGEN AND IN AIR. Fullerenes Nanotubes and Carbon Nanostructures, 2002, 10, 293-311.	1.0	65
11	Polymeric fullerene oxide (fullerene ozopolymers) produced by prolonged ozonation of C60 and C70 fullerenes. Carbon, 2002, 40, 1457-1467.	5.4	61
12	A Raman study on radiation-damaged graphite by $\hat{\text{I}}^3$ -rays. Carbon, 2000, 38, 634-636.	5.4	60
13	Ultrasound-induced cracking and pyrolysis of some aromatic and naphthenic hydrocarbons. Ultrasonics Sonochemistry, 2000, 7, 35-43.	3.8	59
14	Simple generation and detection of polyynes in an arc discharge between graphite electrodes submerged in various solvents. Carbon, 2003, 41, 2671-2674.	5.4	56
15	On the action of UV photons on hydrogenated fullerenes C <sub>60</sub> H <sub>36</sub> and C <sub>60</sub> D <sub>36</sub> . Monthly Notices of the Royal Astronomical Society, 2009, 400, 291-298.	1.6	54
16	Preparation and characterization of carbonaceous matter rich in diamond-like carbon and carbyne moieties. Materials Chemistry and Physics, 1999, 59, 225-231.	2.0	53
17	The action of ozone on polymers having unconjugated and cross- or linearly conjugated unsaturation: chemistry and technological aspects. Polymer Degradation and Stability, 2001, 73, 511-520.	2.7	52
18	Polyynes and cyanopolyynes synthesis from the submerged electric arc: about the role played by the electrodes and solvents in polyynes formation. Tetrahedron, 2004, 60, 4265-4274.	1.0	51

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19	Ozone Degradation of Biological Macromolecules: Proteins, Hemoglobin, RNA, and DNA. <i>Ozone: Science and Engineering</i> , 2006, 28, 317-328.	1.4	51
20	Thermal depolymerization and pyrolysis of cis-1,4-polyisoprene: preparation of liquid polyisoprene and terpene resin. <i>Journal of Analytical and Applied Pyrolysis</i> , 1998, 44, 121-130.	2.6	50
21	Preparation and Properties of Nanostructured Rubber Composites with Montmorillonite. <i>Macromolecular Symposia</i> , 2007, 247, 67-77.	0.4	50
22	MWCNTs Elastomer Nanocomposite, Part 1: The Addition of MWCNTs to a Natural Rubber-based Carbon Black-filled Rubber Compound. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 38-54.	1.0	50
23	A study on the reaction between N-substituted p-phenylenediamines and ozone: experimental results and theoretical aspects in relation to their antiozonant activity. <i>European Polymer Journal</i> , 2002, 38, 885-893.	2.6	49
24	Fullerane, the Hydrogenated C60 Fullerene: Properties and Astrochemical Considerations. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2003, 11, 295-316.	1.0	48
25	Structural Analogies and Differences Between Graphite Oxide and C60 and C70 Polymeric Oxides (Fullerene Ozopolymers). <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2003, 11, 1-13.	1.0	48
26	A study on the structure and electrical properties of the fourth carbon allotrope: carbyne. , 1997, 44, 191-200.		47
27	Polyynes: a new class of carbon allotropes. About the formation of dicyanopolyynes from an electric arc between graphite electrodes in liquid nitrogen. <i>Polyhedron</i> , 2004, 23, 1889-1896.	1.0	46
28	Synthesis, Characterization, and Modeling of Naphthyl-Terminated sp Carbon Chains: Dinaphthylpolyynes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14834-14841.	1.2	45
29	From dicopper acetylide to carbyne. <i>Polymer International</i> , 1999, 48, 15-22.	1.6	44
30	Topological efficiency of C66 fullerene. <i>Chemical Physics Letters</i> , 2011, 501, 442-445.	1.2	44
31	Submerged electric arc between graphite electrodes: a one-pot tool for the synthesis of long-chain polyynes in solution. <i>Tetrahedron Letters</i> , 2004, 45, 141-144.	0.7	43
32	Topological lattice descriptors of graphene sheets with fullerene-like nanostructures. <i>Molecular Simulation</i> , 2010, 36, 341-353.	0.9	43
33	Semiconductor-to-Metal Transition in Carbon-Atom Wires Driven by sp <sup>2</sup> Conjugated End Groups. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10562-10570.	1.5	43
34	Surface oxidation of rubber crumb with ozone. <i>Polymer Degradation and Stability</i> , 2010, 95, 803-810.	2.7	41
35	Synthesis of HCN Polymer from Thermal Decomposition of Formamide. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1039-1048.	1.2	40
36	Spectroscopical characterization of carbonaceous matter prepared through the Glaser coupling reaction route. <i>Carbon</i> , 1999, 37, 161-163.	5.4	39

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37	Synthesis, Structure and Thermal Properties of Copper and Silver Polyyrides and Acetylides. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2007, 17, 641-651.	1.9	39
38	A new model for the interpretation of the unidentified infrared bands (UIBS) of the diffuse interstellar medium and of the protoplanetary nebulae. <i>International Journal of Astrobiology</i> , 2002, 1, 79-86.	0.9	38
39	DNA degradation with ozone. <i>International Journal of Biological Macromolecules</i> , 2006, 38, 248-254.	3.6	38
40	Topological Anisotropy of Stone-Wales Waves in Graphenic Fragments. <i>International Journal of Molecular Sciences</i> , 2011, 12, 7934-7949.	1.8	38
41	Cyanopolyynes: carbon chains formation in a carbon arc mimicking the formation of carbon chains in the circumstellar medium. <i>International Journal of Astrobiology</i> , 2004, 3, 237-246.	0.9	37
42	Infrared spectroscopy of hydrogenated fullerenes (fulleranes) at extreme temperatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2868-2878.	1.6	37
43	Ozone reaction with C <sub>60</sub> fullerene. A study on the antiozonant activity of C <sub>60</sub> fullerene in dienic rubber. <i>Polymer Degradation and Stability</i> , 1995, 48, 291-296.	2.7	36
44	New composites for neutron radiation shielding. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 320, 831-839.	0.7	36
45	Preparation of Pyrolytic Carbon Black from Scrap Tire Rubber Crumb and Evaluation in New Rubber Compounds. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 463-467.	1.7	34
46	The role of Raman spectroscopy in the research on sp <sup>2</sup> -hybridized carbon chains: carbynoid structures polyyenes and metal polyyrides. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 169-176.	1.2	34
47	A Study on the Action of Ozone on Multiwall Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008, 16, 1-17.	1.0	34
48	Topological Ranking of C <sub>28</sub> Fullerenes Reactivity. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 308-323.	1.0	34
49	On the Way to Graphene: The Bottom-Up Approach to Very Large PAHs Using the Scholl Reaction. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 713-725.	1.0	34
50	Far- and mid-infrared spectroscopy of complex organic matter of astrochemical interest: coal, heavy petroleum fractions and asphaltenes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3025-3039.	1.6	34
51	Interaction of C <sub>60</sub> fullerene with lipids. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 524-529.	1.5	33
52	Sonochemical Synthesis of Fullerene C <sub>60</sub> /Anthracene Diels-Alder Mono and Bis-adducts. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 565-574.	1.0	33
53	Generalized Stone-Wales Transformations. <i>Molecular Simulation</i> , 1995, 14, 395-401.	0.9	32
54	The Role of Fullerene-Like Structures in Carbon Black and Their Interaction with Dienic Rubber. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 2000, 8, 105-112.	0.6	32

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55	Ozone Reaction with Carbon Nanostructures 2: The Reaction of Ozone with Milled Graphite and Different Carbon Black Grades. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1446-1454.	0.9	32
56	Graphite Oxide and Graphene Nanoribbons Reduction with Hydrogen Iodide. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 461-468.	1.0	31
57	Synthesis and explosive decomposition of polynitro[60]fullerene. <i>Carbon</i> , 2013, 62, 413-421.	5.4	31
58	RECENT DISCOVERIES IN CARBON BLACK FORMATION AND MORPHOLOGY AND THEIR IMPLICATIONS ON THE STRUCTURE OF INTERSTELLAR CARBON DUST. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2002, 10, 1-14.	1.0	30
59	AN INVESTIGATION ON THE OPTICAL PROPERTIES OF CARBON BLACK, FULLERITE, AND OTHER CARBONACEOUS MATERIALS IN RELATION TO THE SPECTRUM OF INTERSTELLAR EXTINCTION OF LIGHT. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2002, 10, 155-170.	1.0	30
60	Stability of polyynes in air and their degradation by ozonolysis. <i>Polymer Degradation and Stability</i> , 2006, 91, 317-323.	2.7	30
61	Ozone interaction with conjugated polymersâ€”I. Polyacetylene. <i>Polymer Degradation and Stability</i> , 1998, 60, 223-231.	2.7	29
62	A Study on the Action of Ozone and on the Thermal Stability of Nanodiamond. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2003, 11, 201-218.	1.0	29
63	TGAâ€”FT-IR study of pyrolysis of poly(hydrogen cyanide) synthesized from thermal decomposition of formamide. Implications in cometary emissions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 87, 34-44.	2.6	29
64	Spectroscopical study on C60 and C70 fullerene solutions in superacids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, 405-414.	2.0	28
65	On the structure of macromolecules obtained by oxidative polymerization of polyhydroxyphenols and quinones. <i>Polymer International</i> , 1998, 46, 263-268.	1.6	28
66	The Solubility of C <sub>60</sub> Fullerene in Long Chain Fatty Acids Esters. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 331-339.	1.0	28
67	Ozone interaction with conjugated polymersâ€”II. Polyphenylacetylene. <i>Polymer Degradation and Stability</i> , 1998, 60, 233-237.	2.7	27
68	Polyynes Production in a Solventâ€”Submerged Electric Arc Between Graphite Electrodes. III. Chemical Reactivity and Stability Toward Air, Ozone, and Light. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2004, 12, 633-646.	1.0	27
69	Far infrared (terahertz) spectroscopy of a series of polycyclic aromatic hydrocarbons and application to structure interpretation of asphaltenes and related compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 111, 68-79.	2.0	27
70	Bisadducts of the C 60 and C 70 fullerenes with anthracene: Isomerism and DFT estimation of stability and polarizability. <i>Computational and Theoretical Chemistry</i> , 2016, 1081, 44-48.	1.1	27
71	Raman spectra of C60 fullerene photopolymers prepared in solution. <i>European Polymer Journal</i> , 2000, 36, 653-656.	2.6	26
72	Encapsulation of C60 fullerene in $\beta$ -cyclodextrin: a new concept in the protection of organic substrates and polymers from ozone attack. <i>Polymer Degradation and Stability</i> , 2002, 77, 111-120.	2.7	26

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73	Monocyanopolynes from a carbon arc in ammonia: about the relative abundance of polyynes series formed in a carbon arc and those detected in the circumstellar shells of AGB stars. <i>International Journal of Astrobiology</i> , 2006, 5, 37-45.	0.9	26
74	Neutron damage of hexagonal boron nitride: h-BN. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 261-271.	0.7	26
75	Early stages of p-phenylenediamine antiozonants reaction with ozone: Radical cation and nitroxyl radical formation. <i>Polymer Degradation and Stability</i> , 2018, 147, 132-141.	2.7	26
76	On the Solubility Parameter of C <sub>60</sub> and Higher Fullerenes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 79-84.	1.0	25
77	Characterization of Graphene Nanoribbons from the Unzipping of MWCNTs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 261-272.	1.0	25
78	Protection Mechanism of Rubbers from Ozone Attack. <i>Ozone: Science and Engineering</i> , 2019, 41, 358-368.	1.4	25
79	Polyynes Production in a Solvent-Submerged Electric Arc Between Graphite Electrodes. I. Synthesis and Spectroscopy. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2004, 12, 603-617.	1.0	24
80	A method for synthesizing polyynes in solution. <i>Carbon</i> , 2005, 43, 2792-2800.	5.4	24
81	The Role of Carbon Nanostructures in the Ozonization of Different Carbon Black Grades, Together with Graphite and Rubber Crumb in an IR Gas Cell. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 1-20.	1.0	24
82	A detailed analysis of the properties of radiolyzed proteinaceous amino acids. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 903-911.	0.7	24
83	Multielement analysis of a municipal landfill leachate with total reflection X-ray fluorescence (TXRF). A comparison with ICP-OES analytical results. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 119-126.	0.7	24
84	Thermal stability, decomposition enthalpy, and Raman spectroscopy of 1-alkene secondary ozonides. <i>Tetrahedron Letters</i> , 2015, 56, 994-998.	0.7	24
85	On the early reaction stages of ozone with N,N <sup>2</sup> -substituted p-phenylenediamines (6PPD, 77PD) and N,N <sup>2</sup> ,N <sup>3</sup> -substituted-1,3,5-triazine "Durazone". An electron spin resonance (ESR) and electronic absorption spectroscopy study. <i>Polymer Degradation and Stability</i> , 2015, 111, 223-231.	2.7	24
86	Parabolic Reactivity "Coloring" Molecular Topology: Application to Carcinogenic PAHs. <i>Current Organic Chemistry</i> , 2013, 17, 2816-2830.	0.9	24
87	Heavy petroleum fractions as possible analogues of carriers of the unidentified infrared bands. <i>International Journal of Astrobiology</i> , 2003, 2, 41-50.	0.9	23
88	Fullerene-Like Structures as Interaction Sites between Carbon Black and Rubber. <i>Macromolecular Symposia</i> , 2005, 228, 91-98.	0.4	23
89	Some aspects of the ozone degradation of poly(vinyl alcohol). <i>Polymer Degradation and Stability</i> , 2006, 91, 2793-2800.	2.7	23
90	Solid state radiolysis of amino acids in an astrochemical perspective. <i>Radiation Physics and Chemistry</i> , 2011, 80, 57-65.	1.4	23

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91	Sensor Properties of Pristine and Functionalized Carbon Nanohorns. <i>Electroanalysis</i> , 2016, 28, 2489-2499.	1.5	23
92	Electronic absorption spectroscopy of polycyclic aromatic hydrocarbons (PAHs) radical cations generated in oleum: A superacid medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 998-1004.	2.0	22
93	Chemical and thermochemical aspects of the ozonolysis of ethyl oleate: Decomposition enthalpy of ethyl oleate ozonide. <i>Chemistry and Physics of Lipids</i> , 2013, 175-176, 41-49.	1.5	22
94	Polyynes Production in a Solvent-Free Submerged Electric Arc Between Graphite Electrodes II. Analysis by Liquid Chromatography. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2004, 12, 619-631.	1.0	21
95	A Study on the Optically Active Polymer Poly( $\alpha$ -pinene). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1225-1234.	1.2	21
96	Polyynes and Cyanopolyynes: Their Synthesis with the Carbon Arc Gives the Same Abundances Occurring in Carbon-Rich Stars. <i>Origins of Life and Evolution of Biospheres</i> , 2007, 36, 467-475.	0.8	21
97	Simple Synthesis of $\pm$ -Diarylpolyynes Part 1: Diphenylpolyynes. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 739-746.	1.2	21
98	Vibrational characterization of dinaphthylpolyynes: A model system for the study of end-capped $\langle i \rangle$ carbon chains. <i>Journal of Chemical Physics</i> , 2011, 135, 194501.	1.2	21
99	On the Enthalpy of Formation of the most known Carbon Allotropes. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1997, 5, 1615-1620.	0.6	20
100	He <sup>+</sup> Ion Bombardment of C70 Fullerene: An FT-IR and Raman Study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2003, 11, 191-199.	1.0	20
101	Radiation-induced racemization and amplification of chirality: implications for comets and meteorites. <i>International Journal of Astrobiology</i> , 2007, 6, 1-10.	0.9	20
102	Radiolysis and radoracemization of 20 amino acids from the beginning of the Solar System. <i>Rendiconti Lincei</i> , 2011, 22, 81-94.	1.0	20
103	Polarizability of isomeric and related interstellar compounds in the aspect of their abundance. <i>Molecular Astrophysics</i> , 2018, 12, 10-19.	1.7	20
104	Ozone Reaction with Carbon Nanostructures 1: Reaction Between Solid C60 and C70 Fullerenes and Ozone. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1439-1445.	0.9	20
105	ON THE REACTIVITY OF C60FULLERENE WITH DIENE RUBBER MACRORADICALS. I. THE CASE OF NATURAL AND SYNTHETIC CIS-1,4-POLYISOPRENE UNDER ANAEROBIC AND THERMOOXIDATIVE DEGRADATION CONDITIONS. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 2001, 9, 497-513.	0.6	19
106	Ozone degradation of ribonucleic acid (RNA). <i>Polymer Degradation and Stability</i> , 2005, 89, 274-281.	2.7	19
107	Chemical kinetics measurements on the reaction between blood and ozone. <i>International Journal of Biological Macromolecules</i> , 2005, 36, 61-65.	3.6	19
108	On the characterisation of carbon black from tire pyrolysis. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 368-376.	1.0	19

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109	Effects of radiation pretreatments on the rubber adsorption power and reinforcing properties of fillers in rubber compounds. <i>Polymer International</i> , 2001, 50, 828-834.	1.6	18
110	Complex Organic Matter in Space: About the Chemical Composition of Carriers of the Unidentified Infrared Bands (UIBs) and Protoplanetary Emission Spectra Recorded from Certain Astrophysical Objects. <i>Origins of Life and Evolution of Biospheres</i> , 2004, 34, 13-24.	0.8	18
111	Synthesis and FT-IR Spectroscopy of Perdeuterofullerene: C <sub>60</sub> D <sub>36</sub> Evidences of Isotope Effect in the Stability of C <sub>60</sub> D <sub>36</sub> . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 378-389.	1.0	18
112	On the C <sub>60</sub> Fullerene Adduct with Pentacene: Synthesis and Stability. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 818-823.	1.0	18
113	A New Method of Synthesizing Polyphenylacetylene. <i>Polymer International</i> , 1996, 39, 91-99.	1.6	17
114	RAMAN SCATTERING INVESTIGATION OF CARBYNOID AND DIAMOND-LIKE CARBON. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 2001, 9, 153-160.	0.6	17
115	He <sup>+</sup> ION BOMBARDMENT OF C <sub>60</sub> FULLERENE: AN FT-IR AND RAMAN STUDY. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2002, 10, 197-206.	1.0	17
116	Low and High Temperature Infrared Spectroscopy of C <sub>60</sub> and C <sub>70</sub> Fullerenes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 224-235.	1.0	17
117	Preparation of Polynitrofullerene by the Action of Dinitrogen Tetroxide on C <sub>60</sub> . <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1997, 5, 257-265.	0.6	16
118	ON THE MECHANISM OF CARBON CLUSTERS FORMATION UNDER LASER IRRADIATION. THE CASE OF DIAMOND GRAINS AND SOLID C <sub>60</sub> FULLERENE. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2002, 10, 313-332.	1.0	16
119	Radiopolymerization of $\hat{I}^2(-)$ -pinene: A case of chiral amplification. <i>Radiation Physics and Chemistry</i> , 2006, 75, 572-582.	1.4	16
120	Ozonolysis of $\hat{I}^{\pm}$ -PINENE, $\hat{I}^2$ -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
121	Carbon black nitration and nitrosation and its application to improve the mechanical hysteresis of a rubber tread compound. <i>Angewandte Makromolekulare Chemie</i> , 1999, 270, 81-86.	0.3	15
122	Evidences of Rubber Grafting on Activated Carbon Surfaces Containing Fullerene-like Structures. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2003, 11, 395-408.	1.0	15
123	Polyynes Formation from Electric Arc in Liquid Argon in Presence of Methane. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 291-301.	1.0	15
124	On the action of ozone on gelatin. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 210-216.	3.6	15
125	Determination of the Chemical Structure of Poly- $\hat{I}^2(-)$ -pinene by NMR Spectroscopy. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 839-849.	1.2	15
126	Perdeuterofullerenes: Synthesis and Properties of C <sub>70</sub> D <sub>38</sub> and C <sub>70</sub> H <sub>38</sub> . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 401-413.	1.0	15



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127	Thermal Properties, Raman Spectroscopy and TEM Images of Neutron-Bombarded Graphite. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 634-643.	1.0	15
128	Neutron bombardment of single wall carbon nanohorn (SWCNH): DSC determination of the stored Wigner-Szilard energy. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1955-1963.	0.7	15
129	Reaction Kinetics of C60 Fullerene Ozonation. Fullerenes Nanotubes and Carbon Nanostructures, 2003, 11, 95-103.	1.0	14
130	Ozone Reaction with C70 and C60 Fullerenes: The Effect of Temperature on the Reaction Kinetics. Fullerenes Nanotubes and Carbon Nanostructures, 2004, 12, 745-752.	1.0	14
131	On the action of ozone on the haemoglobin prosthetic group, haemin and haematoporphyrin: a comparison with the synthetic copper phthalocyanines. Polymer Degradation and Stability, 2004, 86, 367-376.	2.7	14
132	Synthesis of Polyynes with Electric Arc Part 5: Detection of PAHs as Minor Products. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 21-30.	1.0	14
133	Kinetics of polyynes formation with the submerged carbon arc. Journal of Electroanalytical Chemistry, 2007, 602, 82-90.	1.9	14
134	$^{13}\text{C}$ radiolyzed amorphous silica: A study with $^{29}\text{Si}$ CP-MAS NMR spectroscopy. Radiation Physics and Chemistry, 2008, 77, 267-272.	1.4	14
135	Radiation-induced polymerization and grafting of $^{12}(\text{C}^{13})$ pinene on silica surface. Radiation Physics and Chemistry, 2008, 77, 561-570.	1.4	14
136	Radiation-Induced Inclusion Polymerization of $^{12}(\text{C}^{13})$ Pinene In Deoxycholic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 493-502.	1.2	14
137	Solid state radiolysis of sulphur-containing amino acids: cysteine, cystine and methionine. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 573-580.	0.7	14
138	Wigner Energy of Nanodiamond Bombarded with Neutrons or Irradiated with $^{13}\text{C}$ Radiation. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 861-865.	1.0	14
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