

Franco Cataldo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Aminoxyl (nitroxyl or nitroxide) radical formation by the action of ozone on squalene containing secondary aromatic amine antioxidants. <i>Journal of Vinyl and Additive Technology</i> , 2022, 28, 379-389.	1.8	1
2	Integrated Molar Absorptivity of Mid- and Far-Infrared Spectra of Alanine and a Selection of Other Five Amino Acids of Astrobiological Relevance. <i>Astrobiology</i> , 2022, 22, 462-480.	1.5	3
3	Hydrogenation of [Li@C ₆₀]PF ₆ : A comparison with fullerenes derived from C ₆₀ . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 1245-1251.	1.0	2
4	Pyrolytic carbon black from truck tires: some new analytical approaches. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 304-314.	1.0	7
5	Integrated Molar Absorptivity of Mid- and Far-Infrared Spectra of Glycine and Other Selected Amino Acids. <i>Astrobiology</i> , 2021, 21, 526-540.	1.5	7
6	Vinylacetylene synthesis with a low power submerged carbon arc in n-hexane. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 956-965.	1.0	3
7	On the Optical Activity of Poly(L-lactic acid) (PLLA) Oligomers and Polymer: Detection of Multiple Cotton Effect on Thin PLLA Solid Film Loaded with Two Dyes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8.	1.8	10
8	On the Complex Ozone Interaction with Polyvinyl Alcohol Aqueous Solutions. <i>Ozone: Science and Engineering</i> , 2020, 42, 267-276.	1.4	5
9	On the characterisation of carbon black from tire pyrolysis. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 368-376.	1.0	19
10	On the Action of Ozone on Phospholipids, a Model Compound of the External Envelope of Pericapsidic Viruses like Coronavirus. Part 1. <i>Ozone: Science and Engineering</i> , 2020, 42, 478-491.	1.4	2
11	Further insight into some properties of pyrolytic carbon black obtained from scrap truck tires. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 995-1001.	1.0	12
12	Neutron radiation shielding composites for deep space exploration: An introduction. , 2020, , 263-285.		3
13	Moving pentagons on nanocones. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 732-736.	1.0	8
14	Petroleum, coal and other organics in space. <i>Astrophysics and Space Science</i> , 2020, 365, 1.	0.5	10
15	A theoretical investigation of the possible detection of C ₂₄ in space. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 637-641.	1.0	6
16	On the interaction of C ₆₀ fullerene with poly(L-lactic acid) or poly(lactide). <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 621-626.	1.0	3
17	[Li@C ₆₀]PF ₆ : Infrared spectra from 90K to 523K; Determination of the molar extinction coefficients and integrated molar absorptivity. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 474-479.	1.0	3
18	Formation and decomposition of Poly(L-lactic acid) charge-transfer complex with iodine: A new molecular switch. <i>Polymer Degradation and Stability</i> , 2020, 176, 109155.	2.7	10

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19	Fullerene Radiolysis in Astrophysical Ice Analogs: A Mass Spectrometric Study of the Products. <i>Astrobiology</i> , 2019, 19, 903-914.	1.5	5
20	Far infrared spectroscopy and other spectral and thermal properties of [Li@C ₆₀]PF ₆ . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 695-701.	1.0	6
21	New composites for neutron radiation shielding. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 320, 831-839.	0.7	36
22	Neutron radiation shielding with PUR composites loaded with B ₄ C or graphite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 531-537.	1.0	8
23	Toluene pyrolysis in an electric ARC: Products analysis. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 469-477.	1.0	10
24	Protection Mechanism of Rubbers from Ozone Attack. <i>Ozone: Science and Engineering</i> , 2019, 41, 358-368.	1.4	25
25	Surface interaction and desorption of trimethyl phosphate from ozonized activated carbon fabric. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 379-388.	1.0	5
26	One-pot synthesis and characterization of polyynes end-capped by biphenyl groups (±, % -biphenylpolyynes). <i>Carbon</i> , 2018, 126, 232-240.	5.4	14
27	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
28	Raman, FT-IR spectroscopy and morphology of carbon dust from carbon arc in liquid benzene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 654-660.	1.0	3
29	From graphyne to cata-condensed (Acenographynes) and peri-condensed PAHs-graphyne derivatives. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 535-544.	1.0	4
30	Phase-transfer catalysis in the oxidation of C ₆₀ and C ₇₀ fullerene with KMnO ₄ and crown ether. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 578-583.	1.0	4
31	FT-IR spectroscopy of carbonized acenes: a possible key for the UIBs/AIBs origins. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 820-826.	1.0	9
32	Radiolysis and radoracemization of RNA ribonucleosides: implications for the origins of life. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1649-1661.	0.7	8
33	Quantum particles on graphenic systems. Part 2. Bondons by absorption Raman spectra. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 330-341.	1.0	7
34	Polarizability of isomeric and related interstellar compounds in the aspect of their abundance. <i>Molecular Astrophysics</i> , 2018, 12, 10-19.	1.7	20
35	Ozone solvatochromism in selected solvents. <i>Journal of Molecular Liquids</i> , 2018, 265, 733-739.	2.3	5
36	Ethyl oleate ozonide as an epoxidation tool of C ₆₀ and C ₇₀ fullerenes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 151-155.	1.0	3

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37	Charge-transfer interaction between C ₆₀ fullerene and alkylnaphthalenes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 223-229.	1.0	9
38	Semiconductor-to-Metal Transition in Carbon-Atom Wires Driven by sp ² Conjugated End Groups. Journal of Physical Chemistry C, 2017, 121, 10562-10570.	1.5	43
39	Neutron bombardment of lithium bis(oxalato) borate: LiBOB. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 239-247.	0.7	5
40	Neutron damage of hexagonal boron nitride: h-BN. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 261-271.	0.7	26
41	C70 Fullerene charge-transfer interaction with alkylnaphthalenes, pinenes, and a diene. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 505-511.	1.0	5
42	Neutron bombardment of boron carbide B ₁₂ C ₃ : A FT-IR, calorimetric (DSC) and ESR study. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 371-378.	1.0	11
43	Fullerene Black Modified Screen Printed Electrodes for the Quantification of Acetaminophen and Guanine. Electroanalysis, 2017, 29, 2863-2872.	1.5	11
44	Adsorption of dinitrogen tetroxide on activated carbon fabric derived from novolacs. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 589-601.	1.0	7
45	Submerged carbon arc in liquid benzene: GC-MS analysis of the products. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 576-584.	1.0	6
46	Morphological and structural properties of neutron-irradiated B ₁₂ C ₃ boron carbide microcrystals. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 585-588.	1.0	7
47	Radiation chemical aspects of the origins of life. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 1081-1097.	0.7	14
48	Entropy of Nanostructures. Advances in Chemical and Materials Engineering Book Series, 2017, , 600-614.	0.2	0
49	Sensor Properties of Pristine and Functionalized Carbon Nanohorns. Electroanalysis, 2016, 28, 2489-2499.	1.5	23
50	Neutron bombardment of C ₆₀ and C ₇₀ fullerenes: A spectroscopic and calorimetric study. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 547-554.	1.0	9
51	Acenes adducts with C ₇₀ fullerene: Anthracene, tetracene and pentacene. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 679-687.	1.0	9
52	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
53	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
54	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

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55	About the iron carbonyl complex with C ₆₀ and C ₇₀ fullerene: [Fe(CO) ₄ (I ² C ₆₀)] and [Fe(CO) ₄ (I ² C ₇₀)]. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 225-233.	1.0	14
56	A new route to graphene starting from heavily ozonized fullerenes: Part 3 " an electron spin resonance study. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 195-201.	1.0	12
57	Cooperative topological accumulation of vacancies in honeycomb lattices. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 353-362.	1.0	13
58	Bisadducts of the C ₆₀ and C ₇₀ fullerenes with anthracene: Isomerism and DFT estimation of stability and polarizability. Computational and Theoretical Chemistry, 2016, 1081, 44-48.	1.1	27
59	A new route to graphene starting from heavily ozonized fullerenes: Part 2 "oxidation in air. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 62-66.	1.0	11
60	Synthesis of silver nanoparticles by radiolysis, photolysis and chemical reduction of AgNO ₃ in Hibiscus sabdariffa infusion (karkad�). Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 447-455.	0.7	3
61	A new route to graphene starting from heavily ozonized fullerenes: Part 1 "thermal reduction under inert atmosphere. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 52-61.	1.0	14
62	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
63	On the C ₆₀ Fullerene Adduct with Pentacene: Synthesis and Stability. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 818-823.	1.0	18
64	Chemical Thermodynamics Applied to the Diels-Alder Reaction of C ₆₀ Fullerene with Polyacenes. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 760-768.	1.0	14
65	Thermal stability, decomposition enthalpy, and Raman spectroscopy of 1-alkene secondary ozonides. Tetrahedron Letters, 2015, 56, 994-998.	0.7	24
66	Ethyl Oleate and Ethyl Elaidate Ozonides: Thermal Decomposition and Photolysis. Ozone: Science and Engineering, 2015, 37, 431-440.	1.4	10
67	Thermal Decomposition of Ozonized C ₇₀ Fullerene and Its Reducing Properties Toward Silver Ions. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1037-1042.	1.0	11
68	On The Action of Ozone on Single-Wall Carbon Nanohorns (SWCNH). Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1095-1102.	1.0	5
69	On the early reaction stages of ozone with N,N ² -substituted p-phenylenediamines (6PPD, 77PD) and N,N ² ,N ³ -substituted-1,3,5-triazine "Durazone". An electron spin resonance (ESR) and electronic absorption spectroscopy study. Polymer Degradation and Stability, 2015, 111, 223-231.	2.7	24
70	Synthesis of Silver Nanoparticles by the Action of Heavy Ozonized C ₆₀ Fullerene on Silver Nitrate Solutions. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 523-529.	1.0	5
71	A Differential Scanning Calorimetric (DSC) Study on Heavy Ozonized C ₆₀ Fullerene. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 253-258.	1.0	12
72	Fullerene., 2015,, 896-900.		0

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73	Single-walled Carbon Nanohorn: Electronic Absorption Spectra in Neutral and Oxidized State. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 938-948.	1.0	7
74	FT-IR Spectra of Fullerenes C ₇₆ , C ₇₈ and C ₈₄ at Temperatures Between -180°C and +250°C. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 901-913.	1.0	8
75	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
76	Wigner Energy of Nanodiamond Bombarded with Neutrons or Irradiated with β Radiation. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 861-865.	1.0	14
77	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
78	Sonochemical Synthesis of Fullerene C ₆₀ /Anthracene Diels-Alder Mono and Bis-adducts. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 565-574.	1.0	33
79	Fullerene. , 2014, , 1-6.		0
80	Synthesis and explosive decomposition of polynitro[60]fullerene. Carbon, 2013, 62, 413-421.	5.4	31
81	Determination of the Integrated Molar Absorptivity and Molar Extinction Coefficient of Hydrogenated Fullerenes. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 417-428.	1.0	12
82	Thermal Properties, Raman Spectroscopy and TEM Images of Neutron-Bombarded Graphite. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 634-643.	1.0	15
83	Antioxidant Effect of C ₆₀ and C ₇₀ Fullerene in the Autoxidation of Ethyl Oleate. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 624-633.	1.0	11
84	On the Radical Anion Spectra of Fullerenes C ₆₀ and C ₇₀ . Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 537-548.	1.0	10
85	Ultrasound-assisted Bromination. Part 1: Bromination of C ₆₀ and C ₇₀ . Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 346-356.	1.0	8
86	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
87	Solid state radiolysis of non-proteinaceous amino acids in vacuum: astrochemical implications. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1235-1243.	0.7	13
88	Fullerene C ₆₀ Trichloromethylation Through CCl ₄ Plasmatolysis or Sonolysis. Plasma Chemistry and Plasma Processing, 2013, 33, 355-365.	1.1	10
89	Synthesis and thermal stability of mercury diacetylide Hg(CCH) ₂ . Polyhedron, 2013, 62, 42-50.	1.0	11
90	Chemical and thermochemical aspects of the ozonolysis of ethyl oleate: Decomposition enthalpy of ethyl oleate ozonide. Chemistry and Physics of Lipids, 2013, 175-176, 41-49.	1.5	22

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91	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
92	Stability toward High Energy Radiation of Non-Proteinogenic Amino Acids: Implications for the Origins of Life. <i>Life</i> , 2013, 3, 449-473.	1.1	13
93	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
94	Municipal Landfill Leachate Treatment Using the Combined Action of Activated Carbon and Ozone. <i>Ozone: Science and Engineering</i> , 2013, 35, 55-62.	1.4	8
95	Parabolic Reactivity ϵ -Coloring Molecular Topology: Application to Carcinogenic PAHs. <i>Current Organic Chemistry</i> , 2013, 17, 2816-2830.	0.9	24
96	A Review on Carbon-rich Molecules in Space. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 720-722.	0.0	9
97	On the Molar Extinction Coefficient and Integrated Molar Absorptivity of the Infrared Absorption Spectra of C_{60} and C_{70} Fullerenes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 191-199.	1.0	9
98	On the Radical Cation Spectra of Fullerenes and Fulleranes. Part 1: C_{60} , C_{70} , C_{76} , C_{78} and C_{84} . <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 656-671.	1.0	10
99	On the Radical Cation Spectra of Fullerenes and Fulleranes. Part 2: $C_{60}H_{36}$, $C_{70}H_{38}$, $C_{60}H_{18}$ and $C_{60}H_x/C_{70}H_y$ Mixture. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 672-680.	1.0	5
100	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
101	Synthesis of cis- and trans-polyisoprene adduct with nitrogen dioxide (NO_2/N_2O_4 mixture) and a study of the thermal stability of the adduct. <i>Polymer Degradation and Stability</i> , 2012, 97, 1090-1100.	2.7	7
102	Radiolysis and ozonolysis of a landfill leachate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 141-148.	0.7	4
103	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
104	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
105	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
106	Topological Anisotropy of Stone-Wales Waves in Graphenic Fragments. <i>International Journal of Molecular Sciences</i> , 2011, 12, 7934-7949.	1.8	38
107	Graphite Oxide and Graphene Nanoribbons Reduction with Hydrogen Iodide. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 461-468.	1.0	31
108	Molar extinction coefficient of fullerenes and related hydrogenated derivatives ϵ -fulleranes. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 324-325.	0.0	2

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109	Infrared spectroscopy and integrated molar absorptivity of C60 and C70 fullerenes at extreme temperatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 213-222.	1.6	80
110	Solid state radiolysis of sulphur-containing amino acids: cysteine, cystine and methionine. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 573-580.	0.7	14
111	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
112	Solid state radiolysis of amino acids in an astrochemical perspective. <i>Radiation Physics and Chemistry</i> , 2011, 80, 57-65.	1.4	23
113	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
114	Topological efficiency of C66 fullerene. <i>Chemical Physics Letters</i> , 2011, 501, 442-445.	1.2	44
115	Radiation-induced polymerization of $\hat{I}^2(+)$ -pinene and synthesis of optically active $\hat{I}^2(+)/\hat{I}^2(\hat{a}'')$ pinene polymers and copolymers. <i>Radiation Physics and Chemistry</i> , 2011, 80, 723-730.	1.4	7
116	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
117	Vibrational characterization of dinaphthylpolyyenes: 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
118	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
119	Topological Determination of ^{13}C -NMR Spectra of C66 Fullerenes. <i>Carbon Materials</i> , 2011, , 205-216.	0.2	3
120	On Topological Modeling of 5 7 Structural Defects Drifting in Graphene. <i>Carbon Materials</i> , 2011, , 43-55.	0.2	3
121	Characterization of Graphene Nanoribbons from the Unzipping of MWCNTs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 261-272.	1.0	25
122	Surface oxidation of rubber crumb with ozone. <i>Polymer Degradation and Stability</i> , 2010, 95, 803-810.	2.7	41
123	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
124	Synthesis of fullerene-silica hybrid materials. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 284, 179-187.	0.7	1
125	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
126	TGA-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

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127	Interaction of C60 fullerene with lipids. Chemistry and Physics of Lipids, 2010, 163, 524-529.	1.5	33
128	Graphene nanoribbons produced by the oxidative unzipping of single-wall carbon nanotubes. Carbon, 2010, 48, 2596-2602.	5.4	119
129	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
130	A Simple Synthesis of C60H18 from C60 Fullerene and Hydrogen Iodide. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 117-125.	1.0	12
131	Ozonolysis of $\hat{1}$ -PINENE, $\hat{2}$ -PINENE, d-and l-Turpentine Oil Studied by Chiroptical Methods; Some Implications on the Atmospheric Chemistry of Biogenic Volatile Organic Compounds. Ozone: Science and Engineering, 2010, 32, 274-285.	1.4	16
132	Topological lattice descriptors of graphene sheets with fullerene-like nanostructures. Molecular Simulation, 2010, 36, 341-353.	0.9	43
133	Characterization of Hydrogenated Fullerene Mixture of C ₆₀ H _x and C ₇₀ H _x . Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 97-106.	1.0	11
134	Low and High Temperature Infrared Spectroscopy of C60 and C70 Fullerenes. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 224-235.	1.0	17
135	Synthesis, Characterization, and Modeling of Naphthyl-Terminated sp Carbon Chains: Dinaphthylpolyynes. Journal of Physical Chemistry B, 2010, 114, 14834-14841.	1.2	45
136	Simple Synthesis of $\hat{1}$, $\hat{2}$ -Diarylpolyynes Part 1: Diphenylpolyynes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 739-746.	1.2	21
137	Low Temperature Infrared Spectroscopy of C60 and C70 Fullerenes and Fullerane C60H18. Carbon Materials, 2010, , 203-223.	0.2	1
138	Topological Modeling of C60H36 Hydrides. Carbon Materials, 2010, , 251-272.	0.2	4
139	The Potential Role Played by the Fullerene-Like Structures of Interstellar Carbon Dust in the Formation of Molecular Hydrogen in Space. Carbon Materials, 2010, , 39-53.	0.2	1
140	Isotope Effect in the UV Photolysis of Hydrogenated and Perdeuterated Fullerenes. Carbon Materials, 2010, , 149-170.	0.2	2
141	Synthesis, Stability and Spectroscopy of Perdeuterofullerenes: C60D36 and C70D38 Evidences of Isotope Effects. Carbon Materials, 2010, , 127-148.	0.2	0
142	Kinetic Isotope Effects on the Photolysis of C60H18 and C60D18. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 414-427.	1.0	10
143	Radiation-Induced Inclusion Polymerization of $\hat{2}$ ($\hat{2}$) Pinene In Deoxycholic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 493-502.	1.2	14
144	Synthesis of HCN Polymer from Thermal Decomposition of Formamide. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1039-1048.	1.2	40

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