

Ffrancon Williams

List of Publications by Year in descending order

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citations

126708

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214527

47
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185
all docs

185
docs citations

185
times ranked

988
citing authors

#	ARTICLE	IF	CITATIONS
1	Irradiation of Polyethylene. II. Kinetics of Unsaturation Effects. Journal of the American Chemical Society, 1958, 80, 1580-1588.	6.6	124
2	Kinetics of Ionic Processes in the Radiolysis of Liquid Cyclohexane. Journal of the American Chemical Society, 1964, 86, 3954-3957.	6.6	115
3	Radiation-induced polymerization by free ions. Part 3. Rate constants for cationic polymerization. Transactions of the Faraday Society, 1967, 63, 1501-1511.	0.9	99
4	Tunneling model for hydrogen abstraction reactions in low-temperature solids. Application to reactions in alcohol glasses and acetonitrile crystals. Journal of the American Chemical Society, 1980, 102, 2325-2334.	6.6	95
5	Electron spin resonance studies of electron attachment to fluorocarbons and related compounds. Faraday Discussions of the Chemical Society, 1977, 63, 157.	2.2	78
6	Hydrogen atom abstraction by methyl radicals in methanol glasses at 15-100 K: evidence for a limiting rate constant below 40 K by quantum-mechanical tunneling. Chemical Physics Letters, 1977, 48, 193-196.	1.2	71
7	Radiation-induced trapped electrons in saturated hydrocarbons studied by optical and electron spin resonance spectroscopy. Journal of the American Chemical Society, 1968, 90, 2766-2774.	6.6	66
8	Hydrogen atom abstraction by methyl radicals in methanol glasses at 67-77 deg.K. Journal of the American Chemical Society, 1972, 94, 7633-7637.	6.6	59
9	Radiation-induced polymerization by free ions. Part 1. Polymerization of styrene under anhydrous conditions. Transactions of the Faraday Society, 1967, 63, 1478-1488.	0.9	56
10	ESR spectra and structure of the CF ₃ Cl ⁻ , CF ₃ Br ⁻ , and CF ₃ I ⁻ radical anions. Chemical Physics Letters, 1977, 46, 66-68.	1.2	53
11	ESR Observation of Methyl Radical-Halide Ion Pairs Produced by Dissociative Electron Capture in a Crystalline Matrix. Journal of Chemical Physics, 1971, 54, 5425-5427.	1.2	52
12	The Polymerization of Cyclopentadiene by Free Ions. Determination of the Propagation Rate Constant. Journal of the American Chemical Society, 1965, 87, 199-207.	6.6	51
13	Kinetics of Ionic Processes in the Radiolysis of Liquids. II. Proton Transfer from Cyclohexane Ions to Ethanol. Journal of Chemical Physics, 1966, 44, 4377-4384.	1.2	50
14	Electron spin resonance studies of radical trapping in the radiolysis of organic liquids. I. Evidence for the primary formation of the methoxy radical in methanol. Journal of the American Chemical Society, 1972, 94, 7917-7918.	6.6	50
15	ESR studies on the radical cation mechanism of the ring opening of cyclopropylamines. Journal of the American Chemical Society, 1987, 109, 595-597.	6.6	50
16	Quantum mechanical tunneling in hydrogen atom abstraction for solid acetonitrile at 77-87 deg.K. The Journal of Physical Chemistry, 1972, 76, 546-551.	2.9	49
17	801. The radiolysis of tri-n-alkyl phosphates. Journal of the Chemical Society, 1961, , 4098.	0.4	46
18	EPR evidence for the formation of the hexamethylethane radical cation by charge transfer in a freon matrix. The Journal of Physical Chemistry, 1980, 84, 3156-3159.	2.9	46

#	ARTICLE	IF	CITATIONS
19	Direct observation of metastable organometallic cation radicals from Group IVB alkyls. Organometallics, 1983, 2, 688-690.	1.1	46
20	ESR studies of the thietane and thiirane radical cations in freon matrixes. Evidence for ethylene molecule extrusion from a .sigma.* thiirane dimer radical cation [C2H4S-SC2H4.bul.+]. Journal of the American Chemical Society, 1987, 109, 6778-6788.	6.6	46
21	Kinetics of ionic processes in the radiolysis of liquids. V. Cationic polymerization of isobutylene under anhydrous conditions. Journal of the American Chemical Society, 1969, 91, 3728-3732.	6.6	45
22	Electron spin resonance studies of .gamma.-irradiated phosphite and phosphate esters. Identification of phosphinyl, phosphonyl, phosphoranyl, and phosphine dimer cation radicals. The Journal of Physical Chemistry, 1975, 79, 2650-2662.	2.9	45
23	Photochemical and ESR spectral evidence for a stereoselective rearrangement of radical cations derived from azoalkanes and bicyclopentanes. Journal of the American Chemical Society, 1992, 114, 3007-3014.	6.6	45
24	Electronic structure of phosphoranyl radicals. Journal of the American Chemical Society, 1974, 96, 5032-5038.	6.6	43
25	INHIBITION OF CRYSTALLIZATION IN POLYETHYLENE SUBSEQUENT TO GAMMA IRRADIATION. Journal of the American Chemical Society, 1958, 80, 2595-2596.	6.6	42
26	Radiation-induced polymerization by free ions. Part 2. "Electrical conductivity measurements. Transactions of the Faraday Society, 1967, 63, 1489-1500.	0.9	40
27	Irradiation of Polyethylene. III. Influence of Temperature and Phase1. Journal of the American Chemical Society, 1959, 81, 2919-2926.	6.6	38
28	An ESR study of the aziridine and azetidide radical cations: evidence for the C...C ring-opened aziridine radical cation. The Journal of Physical Chemistry, 1986, 90, 2292-2296.	2.9	38
29	Electron spin resonance spectrum of the perfluorocyclobutane radical anion. Journal of the American Chemical Society, 1976, 98, 4006-4008.	6.6	37
30	Electron spin resonance spectrum of trimethyl borate ([(MeO)3B.cntdot.B(OMe)3]-). A novel .sigma. radical with a one-electron bond. Journal of the American Chemical Society, 1977, 99, 7714-7716.	6.6	37
31	ESR evidence for localized forms of C...C ring-opened oxirane radical cations. The Journal of Physical Chemistry, 1985, 89, 3602-3606.	2.9	36
32	Radical cation cyclization of 1,5-hexadiene to cyclohexene via the cyclohexane-2,5-diyl radical cation intermediate. Journal of the American Chemical Society, 1988, 110, 1974-1976.	6.6	36
33	The radiation-induced polymerization of ?-methylstyrene. Transactions of the Faraday Society, 1962, 58, 192.	0.9	35
34	Hydrogen atom abstraction by methyl radicals in .gamma.-irradiated crystalline methyl isocyanide at 77-125.deg.K. Journal of the American Chemical Society, 1972, 94, 2930-2934.	6.6	35
35	Angular dependence of proton hyperfine splittings in the electron spin resonance spectrum of the methylsulfinyl radical. Journal of the American Chemical Society, 1974, 96, 4781-4784.	6.6	35
36	The ESR spectrum and structure of the dimer radical cation of dimethyl selenide (Me2Se-SeMe+2) in a $\hat{\Gamma}$ -irradiated single crystal. Chemical Physics Letters, 1975, 34, 302-306.	1.2	35

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37	Regioselective Rearrangement of Bridgehead-Methyl-Substituted Radical Cations Derived from Bicyclo[2.1.0]pentanes and 2,3-Diazabicyclo[2.2.1]hept-2-enes through Photoinduced Electron Transfer and Radiolytic Oxidation: Product Distribution and Matrix ESR Studies. <i>Journal of the American Chemical Society</i> , 1994, 116, 2576-2584.	6.6	35
38	EPR Studies of Amine Radical Cations, Part 1: Thermal and Photoinduced Rearrangements of n-Alkylamine Radical Cations to their Distonic Forms in Low-Temperature Freon Matrices. <i>Chemistry - A European Journal</i> , 2004, 10, 5524-5534.	1.7	35
39	Radiation-Induced Ionic Reactions : The Retardation of the Homopolymerizations of $\hat{1}\pm$ -Methyl Styrene and $\hat{1}2$ -Pinene by Water. <i>Nature</i> , 1960, 188, 469-470.	13.7	34
40	ESR evidence for the formation of the trimethylene radical cation $-\text{CH}_2\text{CH}_2\text{CH}^+$ from cyclopropane. <i>Chemical Physics Letters</i> , 1984, 112, 79-83.	1.2	34
41	Esr studies of the ring opening of cyclopropane radical cations in freon matrices. <i>Tetrahedron</i> , 1986, 42, 6301-6314.	1.0	34
42	The isotropic and anisotropic EPR spectra of the tetrafluoroethylene radical anion. <i>Chemical Physics Letters</i> , 1977, 51, 433-437.	1.2	33
43	ESR detection of the dimethyl ether radical cation. <i>Journal of the American Chemical Society</i> , 1981, 103, 6994-6996.	6.6	33
44	ESR spectra and structure of the n-butane and n-hexane radical cations. <i>Chemical Physics Letters</i> , 1981, 82, 177-181.	1.2	33
45	Delocalized π radical cations of acetals. <i>Journal of the American Chemical Society</i> , 1982, 104, 2062-2064.	6.6	33
46	ESR study of the 2,3-diazabicyclo[2.2.2]oct-2-ene radical cation in Freon matrices. <i>Journal of the American Chemical Society</i> , 1988, 110, 7887-7888.	6.6	33
47	The C ₈ H ₈ Radical Cations of Cyclooctatetraene, Semibullvalene, and Their Common Bisallylic Rearrangement Product: Electronic Structure and Potential Energy Surfaces. <i>Journal of the American Chemical Society</i> , 1995, 117, 7916-7922.	6.6	33
48	ESR evidence for the formation of the ring-opened cation $\text{CH}_2\text{OCH}_2\hat{\text{A}}\pm$ from ethylene oxide. <i>Chemical Physics Letters</i> , 1983, 100, 193-197.	1.2	32
49	Electron spin resonance evidence for the ring-closed and ring-opened forms of a substituted cyclopropane radical cation. <i>Journal of the American Chemical Society</i> , 1984, 106, 7640-7641.	6.6	32
50	ESR evidence for the stereospecific formation of the chair cyclohexane-1,4-diyl radical cation from both bicyclo[2.2.0]hexane and 1,5-hexadiene. <i>Journal of the American Chemical Society</i> , 1989, 111, 4133-4134.	6.6	32
51	Correlation of the radiation chemistry of liquid hydrocarbons with the energetics of molecular-ion reactions. <i>Transactions of the Faraday Society</i> , 1961, 57, 755.	0.9	31
52	Radiation-induced polymerization of nitroethylene. <i>Transactions of the Faraday Society</i> , 1967, 63, 376.	0.9	31
53	Fundamental studies on cationic polymerizations: Molecular weights and molecular weight distributions of polyisobutylenes produced by $\hat{1}3$ -irradiation (free ions) and chemical catalysis (ion Tj ETQq1 1 0.784314 rBT3/Overlo	0.784314	31
54	Novel radical anions and hydrogen atom tunneling in the solid state. <i>Accounts of Chemical Research</i> , 1982, 15, 408-415.	7.6	28

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55	An ESR study of the acetaldehyde radical cation in freon matrices: Evidence for halogen superhyperfine interaction. <i>Chemical Physics Letters</i> , 1983, 100, 198-202.	1.2	28
56	Electron Localization in Solid Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9132-9144.	1.1	28
57	Specific Elementary Processes in the Radiation Chemistry of Organic Oxygen Compounds. <i>Nature</i> , 1962, 194, 348-351.	13.7	27
58	¹³ C Hyperfine interaction in the hexafluorobenzene radical anion. <i>Chemical Physics Letters</i> , 1980, 71, 471-475.	1.2	27
59	Photoinduced electrocyclic 1,5-closure of the cyclooctatetraene radical cation to a bridged 1,4-bisomobenzene (bicyclo[3.3.0]octa-2,6-diene-4,8-diyl) radical cation. <i>Journal of the American Chemical Society</i> , 1990, 112, 2837-2839.	6.6	26
60	Electron spin resonance evidence for dissociative electron capture in .gamma.-irradiated phosphate esters. <i>The Journal of Physical Chemistry</i> , 1972, 76, 2848-2850.	2.9	25
61	E.s.r. spectra of the hexamethyldisilane and hexamethyldigermane radical cations. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, , 666.	2.0	24
62	High resolution ESR spectroscopy and structure of the acetaldehyde radical cation (CH ₃ CHO ⁺) in neon matrices at 4 K: comparison with results in freon matrices. <i>Journal of the American Chemical Society</i> , 1988, 110, 327-336.	6.6	24
63	ESR evidence for the 1,4-bisomobenzene structure of the C _{2v} ring-opened semibullvalene (bicyclo[3.3.0]octa-2,6-diene-4,8-diyl) radical cation. <i>Journal of the American Chemical Society</i> , 1990, 112, 2835-2837.	6.6	24
64	Spectroscopic and Computational Studies on the Rearrangement of Ionized [1.1.1]Propellane and Some of its Valence Isomers: The Key Role of Vibronic Coupling. <i>Journal of the American Chemical Society</i> , 2010, 132, 14649-14660.	6.6	23
65	Kinetics of radiation-induced cationic polymerization. Propagation rate constant for ?-methylstyrene. <i>Transactions of the Faraday Society</i> , 1966, 62, 88.	0.9	22
66	Characterization of trapped electrons in .gamma.-irradiated hydrocarbon polymers by electron spin resonance and optical absorption spectroscopy. <i>The Journal of Physical Chemistry</i> , 1969, 73, 1623-1624.	2.9	22
67	Structure and Reactivity of Methyl Radical " Cyanide Ion Pairs in Crystal I and Crystal II of Acetonitrile. <i>Canadian Journal of Chemistry</i> , 1974, 52, 2840-2844.	0.6	22
68	On the structure of the radical cation formed from ethylene oxide in the CFCI ₃ matrix. <i>Chemical Physics Letters</i> , 1988, 143, 521-527.	1.2	22
69	Inverted potential-energy surfaces in the radical-cation Cope rearrangements of hexa-1,5-diene and semibullvalene. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 1681.	1.7	22
70	EPR detection of (CF ₃) ₃ CI-. A test case regarding the stability of RX- radical anions. <i>Journal of the American Chemical Society</i> , 1980, 102, 2860-2861.	6.6	21
71	Chlorine hexafluoride radical. Preparation, electron spin resonance spectrum, and structure. <i>Journal of the American Chemical Society</i> , 1975, 97, 3526-3527.	6.6	20
72	ESR characterization of ring-closed oxirane radical cations via a novel alternating line width effect. <i>Journal of the American Chemical Society</i> , 1987, 109, 7526-7528.	6.6	20

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73	Evidence for an ionic mechanism in the radiation-induced polymerization of isobutyl vinyl ether. <i>Journal of Polymer Science Part B: Polymer Letters</i> , 1964, 2, 143-149.	0.9	19
74	The ESR spectrum and structure of BF_3 . <i>Journal of Chemical Physics</i> , 1976, 65, 3381-3382.	1.2	19
75	The anisotropic ESR spectrum of the SF_5 radical. <i>Chemical Physics Letters</i> , 1977, 45, 275-278.	1.2	19
76	E.s.r. spectra and structure of the tetramethylsilane and tetramethylgermane radical cations. <i>Journal of the Chemical Society Chemical Communications</i> , 1982, , 270.	2.0	19
77	Matrix ESR evidence for the formation of the bicyclo[3.2.0]hepta-2,6-diene radical cation both from ionized quadricyclane and as an intermediate in the radical cation photoisomerization of norbornadiene to cycloheptatriene. <i>Journal of the American Chemical Society</i> , 1991, 113, 9853-9855.	6.6	19
78	Chemical Effects associated with "Colour Centres"™ in Alkali Halides. <i>Nature</i> , 1955, 175, 1043-1044.	13.7	18
79	CYCLIZATION IN GAMMA RAY IRRADIATED HIGH DENSITY POLYETHYLENE. <i>Journal of the American Chemical Society</i> , 1957, 79, 4809-4809.	6.6	18
80	Radiation chemistry of hydrocarbons. <i>Quarterly Reviews of the Chemical Society</i> , 1963, 17, 101.	2.4	18
81	Electron spin resonance study of the neopentyl radical from the radiolysis of solid neopentane in the presence of nitrous oxide. <i>The Journal of Physical Chemistry</i> , 1968, 72, 3707-3708.	2.9	18
82	E.S.R. spectrum of $\text{BH}_3\text{-}\dot{\text{A}}$ in gamma-irradiated tetramethylammonium borohydride. <i>Molecular Physics</i> , 1971, 20, 375-378.	0.8	18
83	On the reported discovery of the hydronium radical in ESR studies of UV-irradiated perchloric acid glasses containing ceric ion. <i>Chemical Physics Letters</i> , 1972, 13, 579-580.	1.2	18
84	Electron spin resonance identification of the dimer radical cation $(\text{CH}_3\text{O})_3\text{P-P}(\text{OCH}_3)_3$ in $\dot{\text{I}}^3$ -irradiated trimethyl phosphite from second-order hyperfine structure. <i>Molecular Physics</i> , 1974, 28, 1225-1232.	0.8	18
85	An electron spin resonance study of the photolysis of trapped radicals in gamma-irradiated carboxylic esters at 77-87 K. <i>The Journal of Physical Chemistry</i> , 1978, 82, 967-969.	2.9	18
86	Computational and ESR Studies of Electron Attachment to Decafluorocyclopentane, Octafluorocyclobutane, and Hexafluorocyclopropane: A Electron Affinities of the Molecules and the Structures of Their Stable Negative Ions as Determined from ^{13}C and ^{19}F Hyperfine Coupling Constants. <i>Journal of the American Chemical Society</i> , 2005, 127, 10573-10583.	6.6	18
87	Structures of Tetrafluorocyclopropene, Hexafluorocyclobutene, Octafluorocyclopentene and Related Perfluoroalkene Radical Anions Revealed by Electron Spin Resonance Spectroscopic and Computational Studies. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6307-6323.	1.1	18
88	Radiolysis of Tri-n-butyl Phosphate. <i>Nature</i> , 1957, 179, 540-540.	13.7	17
89	Radical cation Cope rearrangement of 1,5-hexadiyne to 1,2,4,5-hexatetraene (bis(allene)) at 77 K. <i>Journal of the American Chemical Society</i> , 1989, 111, 8759-8761.	6.6	17
90	Radical anion of 1,1-difluoroethylene. EPR evidence for a perpendicular geometry. <i>Journal of the American Chemical Society</i> , 1981, 103, 2902-2904.	6.6	16

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91	Tetrafluorosulfate(1-) and tetrafluorooxosulfate(1-) radical anions (SF ₄ ⁻ and SF ₄ O ⁻). Journal of the American Chemical Society, 1993, 115, 1129-1134.	6.6	16
92	298. The radiation chemistry of $\dot{\text{I}}^2$ -pinene. Journal of the Chemical Society, 1962, .	0.4	15
93	Electron spin resonance studies on trapped electrons and free radicals in .gamma.-irradiated isobutyl vinyl ether glasses. The Journal of Physical Chemistry, 1969, 73, 4017-4020.	2.9	15
94	The dimer radical anion of acetonitrile. Chemical Physics Letters, 1971, 10, 299-302.	1.2	15
95	Electron spin resonance, optical, and Theoretical studies of the radical anion of sulfur chloride. Journal of the American Chemical Society, 1972, 94, 5212-5221.	6.6	15
96	E.s.r. evidence for deconjugation in the tetramethylurea radical cation. Journal of the Chemical Society Chemical Communications, 1987, , 450.	2.0	15
97	Reinvestigation of the hexamethyl (Dewar benzene) radical cation in Freon matrices. Journal of the American Chemical Society, 1990, 112, 2028-2030.	6.6	15
98	The Radical Cation of anti-Tricyclooctadiene and Its Rearrangement Products. Chemistry - A European Journal, 2000, 6, 849-857.	1.7	15
99	Electron Spin Resonance Evidence for a Trapped Electron and its Reversible Reaction in Gamma-irradiated Acetonitrile-d ₃ . Nature, 1968, 218, 946-948.	13.7	14
100	Electron spin resonance and optical studies of radiation-induced intermediates. Radical ions and radicals from $\dot{\text{m}}$ -methylstyrene in organic glasses. Transactions of the Faraday Society, 1968, 64, 2896.	0.9	14
101	Kinetics of Ionic Processes in the Radiolysis of Liquids. IV. Geminate Recombination of Ions. Journal of Chemical Physics, 1968, 48, 4077-4078.	1.2	14
102	Methyl radical-methanesulfenate anion pairs formed by dissociative electron capture in .gamma.-irradiated crystalline dimethyl-d ₆ sulfoxide at 77.deg.K. The Journal of Physical Chemistry, 1974, 78, 1882-1884.	2.9	14
103	Detection of thyl radicals by spin trapping in the radiolysis of liquids. Journal of the Chemical Society Chemical Communications, 1975, , 947.	2.0	14
104	Novel cycloaddition of tetrafluoroethylene to the tetrafluoroethylene radical anion at 95 K: direct observation by EPR studies. Chemical Physics Letters, 1977, 51, 438-441.	1.2	14
105	EPR spectra and structure of the chlorotrifluoroethylene and bromotrifluoroethylene radical anions. Chemical Physics Letters, 1979, 61, 293-299.	1.2	14
106	Comparison of proton hyperfine coupling constants for the monomer and dimer radical cations of dimethyl sulphide and dimethyl selenide. Journal of the Chemical Society Chemical Communications, 1981, , 1184.	2.0	14
107	Reply to comment "possible structures for trimethylene radical cations in freon matrices". Chemical Physics Letters, 1985, 117, 383-385.	1.2	14
108	EPR Studies of Amine Radical Cations. Part 2. Thermal and Photo-Induced Rearrangements of Propargylamine and Allylamine Radical Cations in Low-Temperature Freon Matrices. Journal of Physical Chemistry A, 2006, 110, 13816-13826.	1.1	14

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109	Radiolysis of Terpene Hydrocarbons: Isomerization and Polymerization of $\hat{1}\pm$ - and $\hat{1}^2$ -Pinene. <i>Nature</i> , 1960, 187, 665-669.	13.7	13
110	Effect of Electric Charge on the Reactivity of Some Isoelectronic Free Radicals. <i>Journal of the American Chemical Society</i> , 1962, 84, 2895-2898.	6.6	13
111	The Detection of Trapped Electrons in $\hat{1}^3$ -Irradiated 3-Methylpentane Glasses by Electron Spin Resonance. <i>Journal of the American Chemical Society</i> , 1967, 89, 1526-1528.	6.6	13
112	Comparison of photo- and .gamma.-induced ionization processes in the condensed phase by means of electron spin resonance spectroscopy. <i>The Journal of Physical Chemistry</i> , 1968, 72, 3884-3893.	2.9	13
113	Saturation studies of the electron spin resonance due to trapped electrons in gamma-irradiated and photo-ionized organic glasses. <i>Transactions of the Faraday Society</i> , 1969, 65, 1718.	0.9	13
114	Vibrational Structure in the Electronic Absorption Spectrum of the Trapped Electron in Crystalline Acetonitrile-d3 at 77 \hat{A} °. <i>Journal of the American Chemical Society</i> , 1970, 92, 429-430.	6.6	13
115	Electron spin resonance spectrum of trifluoramine oxide(1-) ion. Hypervalent radical from first-row elements. <i>Journal of the American Chemical Society</i> , 1975, 97, 7166-7168.	6.6	13
116	The epr spectrum of C2F \hat{A} °4. <i>Chemical Physics Letters</i> , 1979, 64, 71-74.	1.2	13
117	Cyclopentane-1,3-diyl radical cation; ESR evidence for its intermediacy in the radiolytic oxidation of bicyclo[2.1.0]pentane to the cyclopentene radical cation in Freon matrices. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1835.	2.0	13
118	Radiation-induced polymerization of isobutylene under anhydrous conditions and the effect of solid additives. <i>Journal of the American Chemical Society</i> , 1967, 89, 6359-6360.	6.6	12
119	Ligand electronegativity effect on the spin distribution in phosphoranyl radicals. <i>Journal of the American Chemical Society</i> , 1975, 97, 5462-5464.	6.6	12
120	The F3NO- radical anion. ESR spectra, structure, and its dissociation to F2NO. <i>Journal of the American Chemical Society</i> , 1981, 103, 3436-3440.	6.6	12
121	Trigonal \hat{A} °13C hyperfine coupling in CF3CCl2. <i>Journal of Chemical Physics</i> , 1983, 79, 3167-3169.	1.2	12
122	Radical cation photoisomerization of bicyclo[2.2.2]octa-2,5-diene to tetracyclo[4.2.0.02,8.05,7]octane and its thermal retrogression. <i>Journal of the American Chemical Society</i> , 1992, 114, 8314-8316.	6.6	12
123	Influence of unsaturated groups on crosslinking and inhibition of crystallization in the gamma ray irradiation of linear polyethylenes. <i>Journal of Polymer Science</i> , 1960, 48, 61-68.	0.9	11
124	Electrons in Organic Glasses during Photoionization. ESR Observations of a Photodynamic Equilibrium. <i>Journal of Chemical Physics</i> , 1967, 46, 4982-4983.	1.2	11
125	Structure of dipole-trapped electrons in gamma-irradiated acetonitrile-d3: Dependence of E.S.R. spectrum on crystallization method. <i>Molecular Physics</i> , 1969, 17, 677-679.	0.8	11
126	Electron spin resonance identification of phosphorus-centred radicals in $\hat{1}^3$ -irradiated dialkyl phosphites. <i>Molecular Physics</i> , 1973, 25, 1461-1464.	0.8	11

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127	Electron spin resonance studies of .gamma.-irradiated phosphorus compounds containing phosphorus-chlorine bonds. The Journal of Physical Chemistry, 1975, 79, 2663-2668.	2.9	11
128	The octafluorocyclooctatetraene radical anion. Identification and proof of aromaticity by electron spin resonance. Journal of the American Chemical Society, 1984, 106, 548-551.	6.6	11
129	Electronic Structure and Photochemical Interconversions of Dihydropentalene Radical Cations. Journal of the American Chemical Society, 1995, 117, 7923-7934.	6.6	11
130	Isomerization of 4-Vinylcyclohexene Radical Cation: A Tandem Mass Spectrometry Study. Journal of the American Chemical Society, 1995, 117, 1669-1670.	6.6	11
131	Anisotropy of Nitrogen Hyperfine Coupling and g Factor in the ESR Spectra of Trapped Electrons in Gamma-irradiated Crystalline Organic Cyanides. Journal of Chemical Physics, 1969, 50, 5423-5424.	1.2	10
132	ESR study of dialkyl carbonate radical anions and their thermal and photochemical dissociation in the solid state. The Journal of Physical Chemistry, 1981, 85, 510-517.	2.9	10
133	Ionized Bicyclo[2.2.2]oct-2-ene: A Twisted Olefinic Radical Cation Showing Vibronic Coupling. Chemistry - A European Journal, 2002, 8, 1074.	1.7	10
134	Energy transfer in polyethylene and polyethylene-polybutadiene mixtures during gamma irradiation. Discussions of the Faraday Society, 1959, 27, 74.	0.9	9
135	Long-range proton hyperfine couplings in radical cations of carbonyl compounds. Journal of the Chemical Society Chemical Communications, 1983, , 1090.	2.0	9
136	Radical cation rearrangement of 4-vinylcyclohexene to bicyclo[3.2.1]oct-2-ene: a matrix-isolation ESR study. Journal of the American Chemical Society, 1991, 113, 7792-7794.	6.6	9
137	Structures of the Hexafluorocyclopropane, Octafluorocyclobutane, and Decafluorocyclopentane Radical Anions Probed by Experimental and Computational Studies of Anisotropic Electron Spin Resonance (ESR) Spectra. Journal of Physical Chemistry A, 2007, 111, 321-338.	1.1	9
138	ESR spectrum and structure of BrF6. Journal of Chemical Physics, 1975, 63, 1693-1694.	1.2	8
139	201Hg quadrupole interaction in the electron spin resonance of the CH2HgCl radical. Journal of the Chemical Society, Faraday Transactions 2, 1976, 72, 552.	1.1	8
140	A clarification of the factors governing the stability of rx- radical anions. Chemical Physics Letters, 1980, 72, 557-558.	1.2	8
141	Radiation-induced cationic polymerization of $\hat{1}^2$ -pinene. Journal of Polymer Science: Polymer Chemistry Edition, 1981, 19, 669-678.	0.8	8
142	Chlorofluoroalkyl radical rearrangements mediated by electron donors. An e.s.r. study in freon matrices. Journal of the Chemical Society Chemical Communications, 1987, , 1553.	2.0	8
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144	297. The radiation chemistry of $\hat{1}^{\pm}$ -pinene. Journal of the Chemical Society, 1962, .	0.4	7

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