

# Ffrancon Williams

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Role of Hyperconjugation in the 1,2-Shift Reactivity of Bicyclo[2.1.0]pentane and Cyclopropane Radical Cations: A Computational Study. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10607-10614.	1.1	6
2	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
3	Magneto-Structural Relationships for Radical Cation and Neutral Pyridinophane Structures with Intrabridgehead Nitrogen Atoms. An Integrated Experimental and Quantum Mechanical Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9026-9034.	1.2	3
4	Structures of the Hexafluorocyclopropane, Octafluorocyclobutane, and Decafluorocyclopentane Radical Anions Probed by Experimental and Computational Studies of Anisotropic Electron Spin Resonance (ESR) Spectra. <i>Journal of Physical Chemistry A</i> , 2007, 111, 321-338.	1.1	9
5	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
6	EPR Studies of Amine Radical Cations. Part 2. Thermal and Photo-Induced Rearrangements of Propargylamine and Allylamine Radical Cations in Low-Temperature Freon Matrices. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13816-13826.	1.1	14
7	Computational and ESR Studies of Electron Attachment to Decafluorocyclopentane, Octafluorocyclobutane, and Hexafluorocyclopropane: Electron Affinities of the Molecules and the Structures of Their Stable Negative Ions as Determined from $^{13}\text{C}$ and $^{19}\text{F}$ Hyperfine Coupling Constants. <i>Journal of the American Chemical Society</i> , 2005, 127, 10573-10583.	6.6	18
8	Reevaluation of the Propagation Rate Constant in the Radiation-Induced Cationic Polymerization of Isobutylene in Solution. <i>Macromolecules</i> , 2005, 38, 206-209.	2.2	5
9	EPR Studies of Amine Radical Cations, Part 1: Thermal and Photoinduced Rearrangements of <i>n</i> -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
10	Vibronic coupling in ionized organic molecules: structural distortions and chemical reactions. <i>Radiation Physics and Chemistry</i> , 2003, 67, 211-218.	1.4	6
11	Electron Localization in Solid Acetonitrile. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9132-9144.	1.1	28
12	Ionized Bicyclo[2.2.2]oct-2-ene: A Twisted Olefinic Radical Cation Showing Vibronic Coupling. <i>Chemistry - A European Journal</i> , 2002, 8, 1074.	1.7	10
13	The Radical Cation of anti-Tricyclooctadiene and Its Rearrangement Products. <i>Chemistry - A European Journal</i> , 2000, 6, 849-857.	1.7	15
14	Isomerization of Cubane Radical Cation. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5265-5268.	1.1	5
15	Isomerizations of $\text{C}_8\text{H}_8^+$ : experiments and calculations in synergy. <i>Computational and Theoretical Chemistry</i> , 1997, 398-399, 255-263.	1.5	5
16	Electronic Structure and Photochemical Interconversions of Dihydropentalene Radical Cations. <i>Journal of the American Chemical Society</i> , 1995, 117, 7923-7934.	6.6	11
17	Isomerization of 4-Vinylcyclohexene Radical Cation: A Tandem Mass Spectrometry Study. <i>Journal of the American Chemical Society</i> , 1995, 117, 1669-1670.	6.6	11
18	The $\text{C}_8\text{H}_8$ 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

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19	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
20	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
21	Comment on the Whiffen Expression and Its Application to the Structural Characterization of the Radical Cation Derived from Semibullvalene. <i>The Journal of Physical Chemistry</i> , 1994, 98, 8258-8259.	2.9	8
22	Tetrafluorosulfate(1-) and tetrafluorooxosulfate(1-) radical anions (SF <sub>4</sub> <sup>-</sup> and SF <sub>4</sub> O <sup>-</sup> ). <i>Journal of the American Chemical Society</i> , 1993, 115, 1129-1134.	6.6	16
23	Cope rearrangement of the endo-5-vinylbicyclo[2.2.1]hept-2-ene (endo-5-vinylnorborn-2-ene) radical cation to the cis-bicyclo[4.3.0]nona-3,7-diene (cis-3a,4,7,7a-tetrahydroindene) radical cation at 100±150 K. A matrix-isolation ESR study. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, .	2.0	6
24	Photochemical and ESR spectral evidence for a stereoselective rearrangement of radical cations derived from azoalkanes and bicyclopentanes. <i>Journal of the American Chemical Society</i> , 1992, 114, 3007-3014.	6.6	45
25	Radical cation photoisomerization of bicyclo[2.2.2]octa-2,5-diene to tetracyclo[4.2.0.0 <sup>2,8</sup> .0 <sup>5,7</sup> ]octane and its thermal retrogression. <i>Journal of the American Chemical Society</i> , 1992, 114, 8314-8316.	6.6	12
26	Measurement of Radical Cation UV-Visible Spectra in a Polycrystalline Freon Matrix at Liquid Nitrogen Temperature by Diffuse Reflectance Spectroscopy. <i>Applied Spectroscopy</i> , 1992, 46, 377-378.	1.2	2
27	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
28	Radical cation rearrangement of 4-vinylcyclohexene to bicyclo[3.2.1]oct-2-ene: a matrix-isolation ESR study. <i>Journal of the American Chemical Society</i> , 1991, 113, 7792-7794.	6.6	9
29	Photoinduced electrocyclic 1,5-closure of the cyclooctatetraene radical cation to a bridged 1,4-bishomobenzene (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
30	Reinvestigation of the hexamethyl (Dewar benzene) radical cation in Freon matrices. <i>Journal of the American Chemical Society</i> , 1990, 112, 2028-2030.	6.6	15
31	ESR evidence for the 1,4-bishomobenzene structure of the C <sub>2v</sub> 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
32	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
33	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
34	Perkin communications. An e.s.r. study of radical cation cyclization in the radiolytic oxidation of but-3-en-1-ol solutions in Freon matrices. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 1063.	0.9	5
35	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
36	On the structure of the radical cation formed from ethylene oxide in the CFC13 matrix. <i>Chemical Physics Letters</i> , 1988, 143, 521-527.	1.2	22

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37	High resolution ESR spectroscopy and structure of the acetaldehyde radical cation (CH <sub>3</sub> CHO <sup>+</sup> ) in neon matrices at 4 K: comparison with results in freon matrices. Journal of the American Chemical Society, 1988, 110, 327-336.	6.6	24
38	ESR study of the 2,3-diazabicyclo[2.2.2]oct-2-ene radical cation in Freon matrixes. Journal of the American Chemical Society, 1988, 110, 7887-7888.	6.6	33
39	E.s.r. evidence for the rearrangement at 77 K of ionized allylamine to the distonic radical cation $\dot{A}\text{-CH}_2\text{CH}_2\text{CH}_2^+\text{NH}_2$ . Journal of the Chemical Society Chemical Communications, 1988, , 1069-1071.	2.0	7
40	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
41	ESR studies of the thietane and thiirane radical cations in freon matrixes. Evidence for ethylene molecule extrusion from a $\sigma^*$ thiirane dimer radical cation [C <sub>2</sub> H <sub>4</sub> S-SC <sub>2</sub> H <sub>4</sub> .bul.+]. Journal of the American Chemical Society, 1987, 109, 6778-6788.	6.6	46
42	Effect of ring size on hyperconjugation in heterocycloalkanes. An e.s.r. study. Journal of the Chemical Society Chemical Communications, 1987, , 257.	2.0	4
43	E.s.r. evidence for deconjugation in the tetramethylurea radical cation. Journal of the Chemical Society Chemical Communications, 1987, , 450.	2.0	15
44	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
45	ESR characterization of ring-closed oxirane radical cations via a novel alternating line width effect. Journal of the American Chemical Society, 1987, 109, 7526-7528.	6.6	20
46	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
47	An ESR study of the aziridine and azetidione radical cations: evidence for the C...C ring-opened aziridine radical cation. The Journal of Physical Chemistry, 1986, 90, 2292-2296.	2.9	38
48	Esr studies of the ring opening of cyclopropane radical cations in freon matrices. Tetrahedron, 1986, 42, 6301-6314.	1.0	34
49	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
50	Reply to comment "possible structures for trimethylene radical cations in freon matrices" Chemical Physics Letters, 1985, 117, 383-385.	1.2	14
51	ESR evidence for the formation of the trimethylene radical cation -CH <sub>2</sub> CH <sub>2</sub> CH <sup>+</sup> from cyclopropane. Chemical Physics Letters, 1984, 112, 79-83.	1.2	34
52	Spin delocalization in radical cations of oxygen-containing organic compounds as revealed by long-range hyperfine interactions and solvent effects. Faraday Discussions of the Chemical Society, 1984, 78, 57.	2.2	7
53	An e.s.r. study of the trimethyl phosphate radical cation "trichlorofluoromethane $\dot{I}_f^*$ complex and its dissociation. Journal of the Chemical Society Chemical Communications, 1984, , 1667-1668.	2.0	7
54	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

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55	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
56	ESR evidence for the formation of the ring-opened cation $\text{CH}_2\text{OCH}_2^{\oplus}$ from ethylene oxide. <i>Chemical Physics Letters</i> , 1983, 100, 193-197.	1.2	32
57	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
58	Long-range proton hyperfine couplings in radical cations of carbonyl compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 1090.	2.0	9
59	Direct observation of metastable organometallic cation radicals from Group IVB alkyls. <i>Organometallics</i> , 1983, 2, 688-690.	1.1	46
60	Trigonal $^{13}\text{C}$ hyperfine coupling in $\text{CF}_3\text{CCl}_2$ . <i>Journal of Chemical Physics</i> , 1983, 79, 3167-3169.	1.2	12
61	Delocalized $\cdot\pi$ radical cations of acetals. <i>Journal of the American Chemical Society</i> , 1982, 104, 2062-2064.	6.6	33
62	Novel radical anions and hydrogen atom tunneling in the solid state. <i>Accounts of Chemical Research</i> , 1982, 15, 408-415.	7.6	28
63	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
64	Coupled transitions and higher-order effects in isotropic ESR spectra. <i>Journal of Magnetic Resonance</i> , 1982, 48, 192-215.	0.5	1
65	The $\text{F}_3\text{NO}^-$ radical anion. ESR spectra, structure, and its dissociation to $\text{F}_2\text{NO}$ . <i>Journal of the American Chemical Society</i> , 1981, 103, 3436-3440.	6.6	12
66	ESR detection of the dimethyl ether radical cation. <i>Journal of the American Chemical Society</i> , 1981, 103, 6994-6996.	6.6	33
67	ESR spectra and structure of the perchloryl fluoride radical anion ( $\text{FCLO}_3^-$ ): a 33 valence electron radical with $\text{C}_{3v}$ symmetry. <i>Journal of the American Chemical Society</i> , 1981, 103, 7051-7054.	6.6	6
68	Comparison of proton hyperfine coupling constants for the monomer and dimer radical cations of dimethyl sulphide and dimethyl selenide. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, , 1184.	2.0	14
69	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
70	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
71	ESR study of dialkyl carbonate radical anions and their thermal and photochemical dissociation in the solid state. <i>The Journal of Physical Chemistry</i> , 1981, 85, 510-517.	2.9	10
72	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

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73	Effects of inhibitors on the thermal polymerization of $\hat{I}^2$ -pinene. Journal of Polymer Science, Polymer Letters Edition, 1981, 19, 53-57.	0.4	4
74	Radiation-induced cationic polymerization of $\hat{I}^2$ -pinene. Journal of Polymer Science: Polymer Chemistry Edition, 1981, 19, 669-678.	0.8	8
75	Reanalysis of the ESR spectrum of the triethylarsine dimer radical cation (Et <sub>3</sub> As-AsEt <sub>3</sub> <sup>+</sup> ). The Journal of Physical Chemistry, 1980, 84, 3483-3485.	2.9	6
76	<sup>13</sup> C Hyperfine interaction in the hexafluorobenzene radical anion. Chemical Physics Letters, 1980, 71, 471-475.	1.2	27
77	A clarification of the factors governing the stability of rx- radical anions. Chemical Physics Letters, 1980, 72, 557-558.	1.2	8
78	ESR spectra of interstitial hydrogen atoms in dipotassium hexafluorosilicate. The Journal of Physical Chemistry, 1980, 84, 3630-3633.	2.9	7
79	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
80	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
81	EPR detection of (CF <sub>3</sub> ) <sub>3</sub> Cl <sup>-</sup> . A test case regarding the stability of RX <sup>-</sup> radical anions. Journal of the American Chemical Society, 1980, 102, 2860-2861.	6.6	21
82	Electron Paramagnetic Resonance Method for the Determination of Orientation in the Amorphous Regions of Polymers. Macromolecules, 1980, 13, 1721-1723.	2.2	2
83	EPR spectra and structure of the chlorotrifluoroethylene and bromotrifluoroethylene radical anions. Chemical Physics Letters, 1979, 61, 293-299.	1.2	14
84	A reassignments of the EPR spectrum attributed to the radical cation of 2,2,3,3-tetramethylbutane. Chemical Physics Letters, 1979, 67, 202-204.	1.2	6
85	The epr spectrum of C <sub>2</sub> F <sub>4</sub> <sup>-</sup> . Chemical Physics Letters, 1979, 64, 71-74.	1.2	13
86	The radical anion of trimethyl phosphite. Journal of the Chemical Society Chemical Communications, 1979, , 1125.	2.0	2
87	An electron spin resonance study of the photolysis of trapped radicals in .gamma.-irradiated carboxylic esters at 77-87 K. The Journal of Physical Chemistry, 1978, 82, 967-969.	2.9	18
88	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
89	Electron spin resonance spectrum of trimethyl borate ([ (MeO) <sub>3</sub> B.cntdot.B(OMe) <sub>3</sub> ] <sup>-</sup> ). A novel .sigma. radical with a one-electron bond. Journal of the American Chemical Society, 1977, 99, 7714-7716.	6.6	37
90	Electron spin resonance studies of electron attachment to fluorocarbons and related compounds. Faraday Discussions of the Chemical Society, 1977, 63, 157.	2.2	78

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91	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. <i>Chemical Physics Letters</i> , 1977, 48, 193-196.	1.2	71
92	The anisotropic ESR spectrum of the SF <sub>5</sub> radical. <i>Chemical Physics Letters</i> , 1977, 45, 275-278.	1.2	19
93	ESR spectra and structure of the CF <sub>3</sub> Cl <sup>•-</sup> , CF <sub>3</sub> Br <sup>•-</sup> , and CF <sub>3</sub> I <sup>•-</sup> radical anions. <i>Chemical Physics Letters</i> , 1977, 46, 66-68.	1.2	53
94	The isotropic and anisotropic EPR spectra of the tetrafluoroethylene radical anion. <i>Chemical Physics Letters</i> , 1977, 51, 433-437.	1.2	33
95	<sup>201</sup> Hg quadrupole interaction in the electron spin resonance of the CH <sub>2</sub> HgCl radical. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1976, 72, 552.	1.1	8
96	Electron spin resonance spectrum of the perfluorocyclobutane radical anion. <i>Journal of the American Chemical Society</i> , 1976, 98, 4006-4008.	6.6	37
97	The ESR spectrum and structure of BF <sub>3</sub> . <i>Journal of Chemical Physics</i> , 1976, 65, 3381-3382.	1.2	19
98	Electron spin resonance studies of $\gamma$ -irradiated phosphite and phosphate esters. Identification of phosphinyl, phosphonyl, phosphoranyl, and phosphine dimer cation radicals. <i>The Journal of Physical Chemistry</i> , 1975, 79, 2650-2662.	2.9	45
99	Electron spin resonance studies of $\gamma$ -irradiated phosphorus compounds containing phosphorus-chlorine bonds. <i>The Journal of Physical Chemistry</i> , 1975, 79, 2663-2668.	2.9	11
100	The ESR spectrum and structure of the dimer radical cation of dimethyl selenide (Me <sub>2</sub> Se-SeMe <sub>2</sub> ) in a $\hat{\gamma}$ -irradiated single crystal. <i>Chemical Physics Letters</i> , 1975, 34, 302-306.	1.2	35
101	ESR spectrum and structure of BrF <sub>6</sub> . <i>Journal of Chemical Physics</i> , 1975, 63, 1693-1694.	1.2	8
102	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
103	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
104	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
105	Detection of thyl radicals by spin trapping in the radiolysis of liquids. <i>Journal of the Chemical Society Chemical Communications</i> , 1975, , 947.	2.0	14
106	Electron spin resonance identification of the dimer radical cation (CH <sub>3</sub> O) <sub>3</sub> P-P(OCH <sub>3</sub> ) <sub>3</sub> / <sup>+</sup> in $\hat{\gamma}$ -irradiated trimethyl phosphite from second-order hyperfine structure. <i>Molecular Physics</i> , 1974, 28, 1225-1232.	0.8	18
107	Electron spin resonance spectra of OSeCl, OSeI, and OSeBr. <i>Journal of Magnetic Resonance</i> , 1974, 14, 348-357.	0.5	7
108	Electronic structure of phosphoranyl radicals. <i>Journal of the American Chemical Society</i> , 1974, 96, 5032-5038.	6.6	43

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109	Structure and Reactivity of Methyl Radical $\cdot$ Cyanide Ion Pairs in Crystal I and Crystal II of Acetonitrile. Canadian Journal of Chemistry, 1974, 52, 2840-2844.	0.6	22
110	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
111	Methyl radical-methanesulfenate anion pairs formed by dissociative electron capture in $\gamma$ -irradiated crystalline dimethyl-d <sub>6</sub> sulfoxide at 77.deg.K. The Journal of Physical Chemistry, 1974, 78, 1882-1884.	2.9	14
112	Proton hyperfine structure in the electron spin resonance spectrum of the acetonitrile dimer radical anion. Journal of the Chemical Society, Faraday Transactions 2, 1974, 70, 465.	1.1	6
113	ESR and structure of SO <sub>2</sub> Cl <sup>-</sup> . Chemical Physics Letters, 1973, 20, 436-441.	1.2	5
114	Electron spin resonance identification of phosphorus-centred radicals in $\beta$ -irradiated dialkyl phosphites. Molecular Physics, 1973, 25, 1461-1464.	0.8	11
115	New Concepts in Cationic Polymerization. Journal of Macromolecular Science Part A, Chemistry, 1972, 6, 919-981.	0.4	5
116	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
117	Reversible line broadening in the electron spin resonance spectra of tert-butyl radicals in $\gamma$ -irradiated crystalline tert-butyl isothiocyanate. The Journal of Physical Chemistry, 1972, 76, 1792-1794.	2.9	4
118	Electron spin resonance evidence for dissociative electron capture in $\gamma$ -irradiated phosphate esters. The Journal of Physical Chemistry, 1972, 76, 2848-2850.	2.9	25
119	Investigation of the structure of the hydrated electron based on unpaired electron densities calculated by the INDO [intermediated neglect of differential overlap] method. The Journal of Physical Chemistry, 1972, 76, 3838-3842.	2.9	4
120	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
121	Kinetics of ionic processes in the radiolysis of liquids. VI. Pulse radiolysis study of succinonitrile in the rotator phase. Journal of the American Chemical Society, 1972, 94, 6301-6304.	6.6	2
122	Electron spin resonance, optical, and Theoretical studies of the radical anion of sulfuryl chloride. Journal of the American Chemical Society, 1972, 94, 5212-5221.	6.6	15
123	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
124	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
125	On the reported discovery of the hydronium radical in ESR studies of UV-irradiated perchloric acid glasses containing ceric ion. Chemical Physics Letters, 1972, 13, 579-580.	1.2	18
126	Electron spin resonance spectra of isocyanatoalkyl radicals. The Journal of Physical Chemistry, 1971, 75, 1893-1895.	2.9	2



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127	E.S.R. spectrum of $BH_3\cdot\hat{A}$ in gamma-irradiated tetramethylammonium borohydride. <i>Molecular Physics</i> , 1971, 20, 375-378.	0.8	18
128	Fundamental studies on cationic polymerizations: Molecular weights and molecular weight distributions of polyisobutylenes produced by $\hat{I}^3$ -irradiation (free ions) and chemical catalysis (ion Tj ETQq0 0 0 rg BT.7 Overlook 10 Tf 50	1.7	10
129	The dimer radical anion of acetonitrile. <i>Chemical Physics Letters</i> , 1971, 10, 299-302.	1.2	15
130	ESR Observation of Methyl Radical $\hat{A}$ Halide Ion Pairs Produced by Dissociative Electron Capture in a Crystalline Matrix. <i>Journal of Chemical Physics</i> , 1971, 54, 5425-5427.	1.2	52
131	Effect of Crystalline Phase on Thermal Recovery of the Photobleachable Electron $\hat{A}$ Excess Center in Gamma $\hat{A}$ rradiated Succinonitrile. <i>Journal of Chemical Physics</i> , 1971, 54, 4510-4512.	1.2	1
132	ESR Studies of Gamma $\hat{A}$ rradiated Crystalline $1\hat{A}$ Bromobutane. <i>Journal of Chemical Physics</i> , 1971, 54, 2641-2645.	1.2	5
133	Physical and Chemical Aspects of Ionization and Excitation Processes. <i>Science</i> , 1970, 167, 1522-1524.	6.0	0
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