

Charles S Johnson Jr

List of Publications by Year in descending order

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53
papers

2,830
citations

218677

26
h-index

175258

52
g-index

58
all docs

58
docs citations

58
times ranked

1890
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR and SANS Studies of Aggregation and Microemulsion Formation by Phosphorus Fluorosurfactants in Liquid and Supercritical Carbon Dioxide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10261-10269.	2.6	25
2	Diffusion of Water in Liquid and Supercritical Carbon Dioxide: An NMR Study. <i>Journal of Physical Chemistry A</i> , 2003, 107, 1-3.	2.5	50
3	NMR Studies of Water Transport and Proton Exchange in Water-in-Carbon Dioxide Microemulsions. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1962-1968.	2.6	23
4	Lecithin Microemulsions in Dimethyl Ether and Propane for the Generation of Pharmaceutical Aerosols Containing Polar Solutes. <i>Pharmaceutical Development and Technology</i> , 2002, 7, 273-288.	2.4	17
5	Lecithin Inverse Microemulsions for the Pulmonary Delivery of Polar Compounds Utilizing Dimethylether and Propane as Propellants. <i>Pharmaceutical Development and Technology</i> , 2000, 5, 219-230.	2.4	38
6	Chemical Exchange in Diffusion NMR Experiments. <i>Journal of the American Chemical Society</i> , 1998, 120, 9094-9095.	13.7	83
7	Diffusion of Block Copolymers in Liquid CO ₂ : Evidence of Self-Assembly from Pulsed Field Gradient NMR. <i>Journal of the American Chemical Society</i> , 1998, 120, 9390-9391.	13.7	22
8	Simultaneous measurement of vesicle diffusion coefficients and trapping efficiencies by means of diffusion ordered 2D NMR spectroscopy. <i>Chemistry and Physics of Lipids</i> , 1994, 69, 175-178.	3.2	25
9	Analysis of mixtures based on molecular size and hydrophobicity by means of diffusion-ordered 2D NMR. <i>Analytical Chemistry</i> , 1994, 66, 211-215.	6.5	163
10	Transport Ordered 2D-NMR Spectroscopy. , 1994, , 455-488.		10
11	Diffusion ordered 2D NMR spectroscopy of phospholipid vesicles: determination of vesicle size distributions. <i>The Journal of Physical Chemistry</i> , 1993, 97, 9064-9072.	2.9	81
12	Resolution of discrete and continuous molecular size distributions by means of diffusion-ordered 2D NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 1993, 115, 4291-4299.	13.7	341
13	Diffusion-ordered two-dimensional nuclear magnetic resonance spectroscopy. <i>Journal of the American Chemical Society</i> , 1992, 114, 3139-3141.	13.7	662
14	Mobility ordered 2D-NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 1992, 114, 776-777.	13.7	40
15	Measurement of mobility distributions for vesicles by electrophoretic NMR. <i>Journal of Magnetic Resonance</i> , 1991, 91, 654-658.	0.5	4
16	Two-dimensional electrophoretic NMR for the measurement of mobilities and diffusion in mixtures. <i>Journal of Magnetic Resonance</i> , 1989, 81, 435-439.	0.5	11
17	Stimulated echo electrophoretic NMR. <i>Journal of Magnetic Resonance</i> , 1989, 85, 181-185.	0.5	9
18	Electrophoretic Nuclear Magnetic Resonance. <i>Advances in Magnetic and Optical Resonance</i> , 1989, 13, 131-159.	1.7	40

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19	High-resolution electrophoretic NMR. <i>Journal of the American Chemical Society</i> , 1988, 110, 3332-3333.	13.7	49
20	Tracer diffusion coefficients of proteins by means of holographic relaxation spectroscopy: Application to bovine serum albumin. <i>Analytical Biochemistry</i> , 1985, 146, 265-270.	2.4	10
21	Diffraction from multiple gratings in holographic relaxation spectroscopy: application to bovine serum albumin labeled with benzospiropyran. <i>The Journal of Physical Chemistry</i> , 1984, 88, 4010-4015.	2.9	36
22	Pulsed field gradient nmr determination of the temperature dependence of the tracer diffusion coefficient of hemoglobin. <i>Biopolymers</i> , 1982, 21, 2049-2054.	2.4	10
23	The determination of tracer diffusion coefficients for proteins by means of pulsed field gradient NMR with applications to hemoglobin. <i>Journal of Magnetic Resonance</i> , 1982, 48, 466-474.	0.5	8
24	Tracer diffusion coefficients of oxyhemoglobin a and oxyhemoglobin s in blood cells as determined by pulsed field gradient NMR. <i>Biophysical Chemistry</i> , 1982, 16, 241-245.	2.8	13
25	The wave vector dependence of diffusion coefficients in photon correlation spectroscopy of protein solutions. <i>Journal of Chemical Physics</i> , 1981, 74, 2717-2720.	3.0	28
26	Photon correlation spectroscopy in strongly absorbing and concentrated samples with applications to unliganded hemoglobin. <i>The Journal of Physical Chemistry</i> , 1980, 84, 756-767.	2.9	55
27	Experimental evidence that mutual and tracer diffusion coefficients for hemoglobin are not equal. <i>Journal of Chemical Physics</i> , 1980, 72, 4251-4253.	3.0	22
28	Selective deuteration and the anomalous temperature dependence of proton spin-lattice relaxation in polycrystalline p-tert-butyltoluene. <i>Journal of Chemical Physics</i> , 1978, 69, 2882.	3.0	6
29	Proton spin-lattice relaxation in polycrystalline CH ₃ SiCl ₃ , CH ₃ GeCl ₃ , and CH ₃ SnCl ₃ . <i>Journal of Magnetic Resonance</i> , 1977, 28, 377-381.	0.5	2
30	The effect of torsional vibrations on the minimum value of T ₁ for methyl protons in solids. <i>Journal of Magnetic Resonance</i> , 1976, 24, 63-70.	0.5	14
31	Raman studies of rotational and vibrational relaxation in liquid fluoroform. <i>Journal of Chemical Physics</i> , 1975, 63, 422-426.	3.0	35
32	Magnetic resonance line shapes in solids. III. Methyl group tunneling in low temperature glasses. <i>Journal of Chemical Physics</i> , 1974, 61, 1078-1081.	3.0	9
33	Proton spin-lattice relaxation studies of reorienting methyl groups in solids. <i>Journal of Chemical Physics</i> , 1974, 60, 137-146.	3.0	34
34	The temperature dependence of quantum mechanical tunneling effects in the nmr spectrum of a methyl group. <i>Chemical Physics Letters</i> , 1973, 22, 430-432.	2.6	55
35	NMR line shapes for a tunneling two proton system: A model for the CH ₂ D group. <i>Journal of Chemical Physics</i> , 1973, 59, 623-627.	3.0	5
36	Quantum mechanical tunneling in NMR: Effects of a potential barrier having sixfold symmetry on the spectrum of a methyl group. <i>Journal of Chemical Physics</i> , 1973, 59, 4478-4485.	3.0	3

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37	The effects of H1 inhomogeneity on T1 measurements. Journal of Magnetic Resonance, 1972, 7, 55-59.	0.5	15
38	Magnetic Resonance Line Shapes in Solids. II. Molecular Motion in Methyl Chloroform and Methyl Trichlorosilane. Journal of Chemical Physics, 1971, 55, 345-352.	3.0	19
39	Observation of Quantum Mechanical Tunneling Effects in the NMR Line Shape for a Methyl Group. Journal of Chemical Physics, 1971, 55, 5823-5825.	3.0	43
40	Intermediate resolution NMR spectra of solids by means of magnetic dilution. Chemical Physics Letters, 1970, 4, 585-586.	2.6	14
41	Magnetic Resonance Line Shapes in Solids: The Rotating Three-spin Group. Journal of Chemical Physics, 1970, 52, 6224-6231.	3.0	40
42	Some comments on the calculation of NMR line shapes for exchanging AB spin systems. Journal of Magnetic Resonance, 1969, 1, 98-104.	0.5	4
43	Errors in the Measurement of Electron Transfer Rates by Means of Electron Spin Resonance. Journal of Chemical Physics, 1969, 50, 4420-4424.	3.0	14
44	Monte Carlo Calculation of Magnetic Resonance Spectra for Spins in Motion. Journal of Chemical Physics, 1968, 48, 534-536.	3.0	31
45	ESR Studies of Electron Transfer: trans-Stilbene-Stilbene System. Journal of Chemical Physics, 1967, 46, 2314-2316.	3.0	28
46	Theory of line widths and shifts in Electron spin resonance arising from spin exchange interactions. Molecular Physics, 1967, 12, 25-31.	1.7	74
47	Direct Distinction between Ions and Ion Pairs in Electron-Transfer Reactions by Means of Electron Spin Resonance ¹ . Journal of the American Chemical Society, 1966, 88, 2338-2339.	13.7	29
48	Magnetic Resonance Studies of Hyperfine Interactions in the Anion Radicals of Stilbene and Related Molecules. Journal of Chemical Physics, 1965, 43, 3183-3192.	3.0	67
49	Chemical Rate Processes and Magnetic Resonance. Advances in Magnetic and Optical Resonance, 1965, , 33-102.	1.7	256
50	ESR Spectrum and Barrier to Internal Rotation for the Stilbene Anion Radical. Journal of Chemical Physics, 1964, 41, 3272-3274.	3.0	27
51	On the Calculation of Nuclear Magnetic Resonance Spectra for Coupled Nuclear Spins in Intramolecular Reactions. Journal of Chemical Physics, 1964, 41, 3277-3278.	3.0	57
52	Effects of Electron Transfer on High-Resolution NMR Spectra. Journal of Chemical Physics, 1964, 40, 1744-1750.	3.0	26
53	Nuclear Transverse Relaxation in Electron Transfer Reactions. Journal of Chemical Physics, 1963, 39, 2111-2114.	3.0	43