

# Shiro Maeda

## List of Publications by Year in descending order

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45  
papers

1,101  
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430874

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structural analysis of microbial poly( $\epsilon$ -L-lysine)/poly(acrylic acid) complex by FT-IR, DSC, and solid-state $^{13}\text{C}$ and $^{15}\text{N}$ NMR. <i>Polymer Journal</i> , 2012, 44, 200-203.	2.7	10
2	Formation of carbamates and cross-linking of microbial poly( $\mu$ -L-lysine) studied by $^{13}\text{C}$ and $^{15}\text{N}$ solid-state NMR. <i>Polymer Bulletin</i> , 2012, 68, 745-754.	3.3	7
3	Characterization of Microbial Poly( $\mu$ -L-lysine) and Its Derivatives by Solid-State NMR. <i>ACS Symposium Series</i> , 2011, , 317-335.	0.5	5
4	SOLID STATE NMR STUDY ON MICROBIAL POLY( $\mu$ -L-LYSINE)/CARBOXYMETHYL CELLULOSE BLENDS. <i>International Journal of Modern Physics B</i> , 2011, 25, 4315-4318.	2.0	0
5	A New Polymorph of 1-Acetyl-2-thiohydantoin. <i>X-ray Structure Analysis Online</i> , 2009, 25, 93-94.	0.2	4
6	Aggregation behavior of dabsylated poly( $\mu$ -L-lysine) in aqueous DMSO solution. <i>Polymer Bulletin</i> , 2006, 57, 747-756.	3.3	6
7	Aggregation behavior of Dabsylated Amino Acids in Aqueous Solution. <i>Bunseki Kagaku</i> , 2005, 54, 799-805.	0.2	2
8	Structural investigation of microbial poly( $\mu$ -L-lysine) derivatives with azo dyes by solid-state $^{13}\text{C}$ and $^{15}\text{N}$ NMR. <i>Polymer Bulletin</i> , 2005, 53, 259-267.	3.3	15
9	Circular dichroism induced by the helical conformations of acylated chitosan derivatives bearing cinnamate chromophores. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1354-1364.	2.1	18
10	Spectroscopic studies of the conformational properties of naphthoyl chitosan in dilute solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2747-2758.	2.1	8
11	Preparation of benzoylchitosans and their chiroptical properties in dilute solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 4107-4115.	2.1	5
12	Effect of pH on the conformation of gellan chains in aqueous systems. <i>Biophysical Chemistry</i> , 2004, 111, 223-227.	2.8	54
13	Chain Mobility of Pectin in Aqueous Solutions Studied by the Fluorescence Depolarization Method. <i>Macromolecules</i> , 2004, 37, 10063-10066.	4.8	5
14	Characterization of microbial poly( $\mu$ -L-lysine) by FT-IR, Raman and solid state $^{13}\text{C}$ NMR spectroscopies. <i>Journal of Molecular Structure</i> , 2003, 655, 149-155.	3.6	58
15	Crystal Structure of 2-Trifluoromethyl-4-dimethylaminoazobenzene. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2003, 19, x1-x2.	0.1	4
16	Hydrophobic hydration of tert-butyl alcohol probed by NMR and IR. <i>Journal of Molecular Liquids</i> , 2000, 85, 139-152.	4.9	70
17	Hydration of the CH Groups in Dimethyl Sulfoxide Probed by NMR and IR. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11001-11005.	2.6	150
18	Magnetic susceptibility of aqueous tert-butanol. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 133-135.	2.8	8

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19	A model for calculating the vibrational frequency shifts from the S <sub>0</sub> to S <sub>1</sub> and T <sub>1</sub> states: application to the Raman data of pyrene in the excited states. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998, 54, 277-284.	3.9	1
20	IR Study on Aqueous Solution Behavior of D-Cycloserine. <i>Spectroscopy Letters</i> , 1997, 30, 685-700.	1.0	4
21	A new type of circular dichroism spectrometer, upgraded version. <i>Review of Scientific Instruments</i> , 1995, 66, 3079-3080.	1.3	7
22	New type of CD spectropolarimeter with LD option. <i>Review of Scientific Instruments</i> , 1993, 64, 1161-1168.	1.3	8
23	Excitation profile study of the resonance CARS spectrum of pyrene in the S <sub>1</sub> state for elucidating vibronic coupling. <i>Journal of Raman Spectroscopy</i> , 1990, 21, 841-846.	2.5	3
24	Line shape analysis of extra resonance signal in coherent Stokes Raman scattering of acridine in the T <sub>1</sub> state. <i>Journal of Chemical Physics</i> , 1989, 91, 2030-2035.	3.0	7
25	Modification of Ithaco model 391A lock-in amplifier for use in the high-dynamic-range mode at the frequency range from 60 to 120 kHz. <i>Review of Scientific Instruments</i> , 1989, 60, 3338-3339.	1.3	3
26	Resonance CARS spectra of 9,9'-bianthryl in the excited states. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1988, 44, 695-698.	0.1	9
27	S <sub>n</sub> → S <sub>1</sub> and S <sub>1</sub> → S <sub>0</sub> resonance CARS spectra of perylene in the S <sub>1</sub> state. <i>Journal of Chemical Physics</i> , 1988, 88, 2956-2961.	3.0	24
28	Resonance polarization CARS of pyrene in the lowest excited singlet state. <i>Journal of Chemical Physics</i> , 1988, 88, 4592-4597.	3.0	13
29	Various oscillatory regimes and bifurcations in a dynamic chemical system at an interface. <i>Ferroelectrics</i> , 1988, 86, 281-298.	0.6	49
30	Resonance CARS Study of Electronic Excited Molecules. <i>Applied Spectroscopy Reviews</i> , 1985, 21, 211-257.	6.7	28
31	A Study for N <sub>2</sub> Coherent Anti-Stokes Raman Spectroscopy Thermometry at High Pressure. <i>Applied Spectroscopy</i> , 1983, 37, 508-512.	2.2	12
32	Effects of Laser Linewidth on the Coherent Anti-Stokes Raman Spectroscopy Spectral Profile. <i>Applied Spectroscopy</i> , 1982, 36, 565-569.	2.2	76
33	A Study of Electronic Structure of 1,2,4,5-Tetracyanobenzene Anion Radical by Resonance Raman Effect. <i>Bulletin of the Chemical Society of Japan</i> , 1980, 53, 1949-1955.	3.2	12
34	LINE SHAPE BEHAVIOR OF THE RESONANCE CARS IN Zn-TETRAPHENYLPORPHIN. <i>Chemistry Letters</i> , 1979, 8, 141-144.	1.3	1
35	Raman spectra of stilbene negative ions in tetrahydrofuran solution. <i>Chemical Physics Letters</i> , 1974, 28, 22-26.	2.6	18
36	Raman spectra of biphenyl negative ion in tetrahydrofuran solution. <i>Chemical Physics Letters</i> , 1974, 24, 584-588.	2.6	50

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37	The Infrared Intensities of Stretching Fundamentals in Gaseous and Crystalline Cyanoacetylene. Bulletin of the Chemical Society of Japan, 1974, 47, 2930-2935.	3.2	38
38	Raman spectra of anthracene negative ions in tetrahydrofuran solution. Chemical Physics Letters, 1973, 22, 364-367.	2.6	21
39	Infrared Intensities of Crystalline HCN and DCN. Bulletin of the Chemical Society of Japan, 1972, 45, 1081-1086.	3.2	18
40	Infrared Intensities of Crystalline NH <sub>3</sub> and ND <sub>3</sub> . Bulletin of the Chemical Society of Japan, 1972, 45, 2225-2226.	3.2	10
41	Infrared intensities of the stretching and librational bands of H <sub>2</sub> O, D <sub>2</sub> O, and HDO in solids. Spectrochimica Acta Part A: Molecular Spectroscopy, 1968, 24, 655-665.	0.1	104
42	Determination of Optical Constants from Reflection Bands Using Dispersion Relations. Journal of Chemical Physics, 1963, 38, 2658-2661.	3.0	45
43	On the Determination of Absolute Intensities from Refractive Index Data. Journal of Chemical Physics, 1962, 36, 571-572.	3.0	34
44	Reflection Spectra and Absolute Infrared Intensities in Pure Liquids: Benzene, Chloroform, Bromoform, Carbon Disulfide, and Carbon Tetrachloride. Journal of Chemical Physics, 1961, 34, 175-181.	3.0	34
45	Absolute Infrared Intensity Measurements in Thin Films. Journal of Chemical Physics, 1961, 35, 1617-1620.	3.0	43