

# Shiro Maeda

## List of Publications by Year in descending order

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45  
papers

1,101  
citations

430874

18  
h-index

395702

33  
g-index

46  
all docs

46  
docs citations

46  
times ranked

823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydration of the CH Groups in Dimethyl Sulfoxide Probed by NMR and IR. Journal of Physical Chemistry B, 2000, 104, 11001-11005.	2.6	150
2	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
3	Effects of Laser Linewidth on the Coherent Anti-Stokes Raman Spectroscopy Spectral Profile. Applied Spectroscopy, 1982, 36, 565-569.	2.2	76
4	Hydrophobic hydration of tert-butyl alcohol probed by NMR and IR. Journal of Molecular Liquids, 2000, 85, 139-152.	4.9	70
5	Characterization of microbial poly ( $\hat{\mu}$ -l-lysine) by FT-IR, Raman and solid state <sup>13</sup> C NMR spectroscopies. Journal of Molecular Structure, 2003, 655, 149-155.	3.6	58
6	Effect of pH on the conformation of gellan chains in aqueous systems. Biophysical Chemistry, 2004, 111, 223-227.	2.8	54
7	Raman spectra of biphenyl negative ion in tetrahydrofuran solution. Chemical Physics Letters, 1974, 24, 584-588.	2.6	50
8	Various oscillatory regimes and bifurcations in a dynamic chemical system at an interface. Ferroelectrics, 1988, 86, 281-298.	0.6	49
9	Determination of Optical Constants from Reflection Bands Using Dispersion Relations. Journal of Chemical Physics, 1963, 38, 2658-2661.	3.0	45
10	Absolute Infrared Intensity Measurements in Thin Films. Journal of Chemical Physics, 1961, 35, 1617-1620.	3.0	43
11	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
12	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
13	On the Determination of Absolute Intensities from Refractive Index Data. Journal of Chemical Physics, 1962, 36, 571-572.	3.0	34
14	Resonance CARS Study of Electronic Excited Molecules. Applied Spectroscopy Reviews, 1985, 21, 211-257.	6.7	28
15	Sn $\hat{\mu}$ and S1 $\hat{\mu}$ 'SO resonance CARS spectra of perylene in the S1 state. Journal of Chemical Physics, 1988, 88, 2956-2961.	3.0	24
16	Raman spectra of anthracene negative ions in tetrahydrofuran solution. Chemical Physics Letters, 1973, 22, 364-367.	2.6	21
17	Infrared Intensities of Crystalline HCN and DCN. Bulletin of the Chemical Society of Japan, 1972, 45, 1081-1086.	3.2	18
18	Raman spectra of stilbene negative ions in tetrahydrofuran solution. Chemical Physics Letters, 1974, 28, 22-26.	2.6	18

#	ARTICLE	IF	CITATIONS
19	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
20	Structural investigation of microbial poly( $\gamma$ -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
21	Resonance polarization CARS of pyrene in the lowest excited singlet state. <i>Journal of Chemical Physics</i> , 1988, 88, 4592-4597.	3.0	13
22	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
23	A Study for $\text{N}_2$ Coherent Anti-Stokes Raman Spectroscopy Thermometry at High Pressure. <i>Applied Spectroscopy</i> , 1983, 37, 508-512.	2.2	12
24	Infrared Intensities of Crystalline $\text{NH}_3$ and $\text{ND}_3$ . <i>Bulletin of the Chemical Society of Japan</i> , 1972, 45, 2225-2226.	3.2	10
25	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
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	New type of CD spectropolarimeter with LD option. <i>Review of Scientific Instruments</i> , 1993, 64, 1161-1168.	1.3	8
28	Magnetic susceptibility of aqueous tert-butanol. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 133-135.	2.8	8
29	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
30	Line-shape analysis of extra resonance signal in coherent Stokes Raman scattering of acridine in the $T_1$ state. <i>Journal of Chemical Physics</i> , 1989, 91, 2030-2035.	3.0	7
31	A new type of circular dichroism spectrometer, upgraded version. <i>Review of Scientific Instruments</i> , 1995, 66, 3079-3080.	1.3	7
32	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
33	Aggregation behavior of dabsylated poly( $\mu$ -L-lysine) in aqueous DMSO solution. <i>Polymer Bulletin</i> , 2006, 57, 747-756.	3.3	6
34	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
35	Chain Mobility of Pectin in Aqueous Solutions Studied by the Fluorescence Depolarization Method. <i>Macromolecules</i> , 2004, 37, 10063-10066.	4.8	5
36	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

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37	IR Study on Aqueous Solution Behavior of D-Cycloserine. Spectroscopy Letters, 1997, 30, 685-700.	1.0	4
38	Crystal Structure of 2-Trifluoromethyl-4-dimethylaminoazobenzene. Analytical Sciences: X-ray Structure Analysis Online, 2003, 19, x1-x2.	0.1	4
39	A New Polymorph of 1-Acetyl-2-thiohydantoin. X-ray Structure Analysis Online, 2009, 25, 93-94.	0.2	4
40	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. Review of Scientific Instruments, 1989, 60, 3338-3339.	1.3	3
41	Excitation profile study of the resonance CARS spectrum of pyrene in the S1 state for elucidating vibronic coupling. Journal of Raman Spectroscopy, 1990, 21, 841-846.	2.5	3
42	Aggregation behavior of Dabsylated Amino Acids in Aqueous Solution. Bunseki Kagaku, 2005, 54, 799-805.	0.2	2
43	LINE SHAPE BEHAVIOR OF THE RESONANCE CARS IN ZN-TETRAPHENYLPORPHIN. Chemistry Letters, 1979, 8, 141-144.	1.3	1
44	A model for calculating the vibrational frequency shifts from the S0 to S1 and T1 states: application to the Raman data of pyrene in the excited states. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 277-284.	3.9	1
45	SOLID STATE NMR STUDY ON MICROBIAL POLY(L-LYSINE)/CARBOXYMETHYL CELLULOSE BLENDS. International Journal of Modern Physics B, 2011, 25, 4315-4318.	2.0	0