

## 5 国際会議での招待講演

### 1994

1. Y. Ozaki: FT-NIR Spectroscopy Come Long-chain Fatty Acids and Alcohols; July, 1994 (University of Valladolid, Spain).
2. Y. Ozaki, A. Mizuno, and D. Borchman: Potential of Near-infrared Raman Spectroscopy in Medical Science; August, 1994; XIV International Conference on Raman Spectroscopy, Hong-Kong University of Science and Technology, Hong-Kong).

### 1996

3. Y. Ozaki: Two-dimensional infrared and near-infrared correlation spectroscopy : applications to studies of temperature-dependent spectral variations of self-associated molecules; June, 1996; XV International Symposium on Advanced Infrared Spectroscopy (Duke University, USA).
4. Y. Ozaki: Two-dimensional near-infrared correlation spectroscopy study of pre-melting behavior of nylon; July, 1996; 12th European Symposium on Polymer Spectroscopy (University Claude Bernard Lyon 1, France).

### 1997

5. Y. Ozaki: Two-dimensional near-infrared spectroscopy: principle and applications, September, 1997; 8th International Conference on Near-Infrared Spectroscopy (Haus der Technik, Essen, Germany).
6. Y. Ozaki, H. Maeda, Y. Wang, M. Suzuki, A. Czarniecki: Near-Infrared study of Hydrogen bonds in alcohols-comparison of chemometrics and spectroscopic analysis, October, 1997; First Conference on Chemometrics in China (Zhangjiajie, China).
7. Y. Ozaki, X. Dou, H. Yamamoto: Quantitative analysis of trace Metabolites in Biological Fluids by multichannel Raman spectroscopy, October, 1997; The 24th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies (Providence, USA).
8. Y. Ozaki, A. L. Verma, and N. Katayama: Dynamics of Electric-field-induced Molecular Reorientation and segmental Mobility of Ferroelectric Liquid Crystal Studied by Asynchronous Time-resolved FT/IR, October, 1997; The 24th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies (Providence, USA)

### 1998.

9. Y. Ozaki: Comprehensive studies of near-Infrared spectra of basic organic compounds by means of generalized two-dimensional correlation spectroscopy and chemometrics, March, 1998; The 49th Pittsburgh Conference (New Orleans, USA).
10. Y. Ozaki: Two-dimensional NIR correlation spectroscopy of polymers, July, 1998; 13th European Symposium on Polymer Spectroscopy (Lancaster University, UK).
11. Y. Ozaki: Application of Two Dimensional NIR Correlation Spectroscopy to Biological Sciences, August, 1998; 1998 conferences of the Australian Near Infrared Spectroscopy Group (Novotel Palm Cove Resort, Australia).

12. Y. Ozaki: Dynamics of Electric-field-Induced Molecular Reorientation of Ferroelectric Liquid Crystal Studied by New Asynchronous Time-Resolved, October, 1998; The 25th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies (Austin Convention Center, Austin, USA).
13. Y. Ozaki, K. Murayama, Y. Wang: Advances in 2D Near-Infrared Correlation Spectroscopy; Application to Protein Research, July, 1998; 3rd International Symposium on Advanced Infrared and Raman Spectroscopy (Vienna Univ. Tech., Austria).

### 1999

14. Y. Ozaki, B. Czarnik-Matuszewicz, K. Murayama, Y. Wu: Comparison of Two-Dimensional Correlation Analysis and Chemometrics in NIR Spectroscopy; June 13-18, 1999; 9th International Conference on Near-Infrared Spectroscopy Towards the Third Millennium (Verona, Italy).
15. Y. Ozaki, B. Czarnik-Matuszewicz, K. Murayama, Y. Wu: Comparison between 2D Correlation Spectroscopy and Chemometrics; August 29-September 1, 1999; International Symposium on Two-Dimensional Correlation Spectroscopy (Kwansei Gakuin University, Japan).
16. Y. Ozaki, Y. Ren, and I. Noda: October 24-29, 1999; The 26th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies 1999 FACSS Conference (Vancouver, Canada).

### 2000

17. Y. Ozaki, T. Amari, S. Sasic, H. Sato, M. Shimoyama, T. Kamiya, and T. Ninomiya: Infrared, Raman and Near- Infrared Studies on Structure-Properties Relationship in High density and Low density Polyethylenes, March 28, 2000; San Francisco, Annual Meeting of American Chemical Society (San Francisco, USA).
18. Y. Ozaki: Two-Dimensional Raman Correlation and Raman Infrared Heterospectral Correlation Spectroscopy, July 3-5, 2000; Second Raman Spectroscopy Symposium in Korea (Kyungpook National University).
19. Y. Ozaki, Y. M. Jung, B. Czarnik-Matuszewicz, Y. Liu, and I. Noda: Applications of Raman-Infrared Hetero Two-Dimensional Correlation Spectroscopy to Biomedical Sciences; August 20-25, 2000; The XVIIth International Conference on Raman Spectroscopy (Peking University).
20. X. M. Dou and Y. Ozaki: Biomedical Application of Surface-enhanced Raman Scattering in Desperse, August 20-25, 2000; The XVIIth International Conference on Raman Spectroscopy (Peking University).
21. Y. Ozaki: Spectral Analysis in Near-Infrared Spectroscopy Conventional Method, Chemometrics, and Two-Dimensional Correlation Spectroscopy, November 1, 2000; Eastern Analytical Symposium 2000 (Atlantic City Convention Center).
22. Y. Ozaki: Recent Progress in Spectral Analysis Methods in Near-Infrared Spectroscopy, June 11, 2000; 1st Korean NIR Spectroscopy Conference (Kyonsju).

23. S. Sasic, A. Muszynski, and Y. Ozaki: A New Possibility if the Generalized Two-Dimensional Correlation Spectroscopy; Sample-Sample Correlation Spectroscopy, September 24-28, 2000; The Federation of Analytical Chemistry and Spectroscopy Societies (Nashville, USA).
24. T. Ikeda, H. Tashiro, and Y. Ozaki: A New Portable Raman Imaging, July 10-14, The Second Meeting of the International Union of Microbeam Analysis; Kailua-Kona (Hawaii).

#### **2001**

25. Y. Ozaki: Structural Difference between Langmuir-Blodgett and Spin-Coated Film of PtBMA by Two-Dimensional Correlation Spectroscopy, Korean Chemical Society Meeting, April 20-21, 2001 (Seoul, Korea).
26. J. H. Jiang, Y. Wu, R. Q. Yu, and Y. Ozaki: Principal Discriminant Variate (PDV) Method for Classification of Multicollinear Data with Application to Near-Infrared Spectra of Cow Plasma Samples, 10th International Conference on Near-Infrared Spectroscopy, June 10-15, 2001 (Kyongju, Korea).
27. Y. Ozaki: Two-Dimensional Correlation Spectroscopy in Analytical Chemistry, International Congress on Analytical Sciences 2001 8ICAS 2001), August 6-10, 2001 (Waseda University, Japan).
28. Y. Ozaki: Recent Progress in Two-Dimensional Correlation Spectroscopy, The International Polymer Symposium 2001 (IPS 2001), October 16-18, 2001 (Songhla, Thailand).

#### **2002**

29. Y. Ozaki, J. H. Jiang, S. Sasic, M. Kleimann, and H. W. Siesler: Self-Modeling Curve Resolution Analysis of On-Line Raman Spectra of Polymerization, Interact 2002, July 21-25, 2002 (Sydney, Australia).
30. Y. Ozaki: generalized Two-Dimensional Raman Correlation Spectroscopy, 18th International Conference on Raman Spectroscopy, August 25-30, 2002 (Budapest, Hungary).
31. Y. Ozaki: New Type of Generalized Two-Dimensional Correlation Spectroscopy · · · Principles Applications, Symposium on New Developments Spectroscopic Techniques and Their Applications Dynamic of Biomolecules, November 22-23, 2002 (Kobe University, Japan).
32. Y. Ozaki: Introduction to NIR Spectroscopy-Principles, Instrumentation and Application, The 1st Workshop on NIR Spectroscopy, November 27-28, 2002 (Bangkok, Thailand).

#### **2003**

33. Y. Ozaki: Two-Dimensional Infrared Correlation Spectroscopy Studies, 1st International Conference on Biomedical Spectroscopy, July 7-10, 2003 (Cardiff, United Kingdom).
34. Y. Ozaki: Two-Dimensional Infrared Correlation Spectroscopy Studies of Proteins, Austral-Asian Biospectroscopy Conference, February 3-7, 2003 (Nakhon Ratchasima, Thailand).
35. H. Sato, S. Sasao, K. Matsukawa, Y. Kita, H. Yamaguchi, H. W. Siesler, and Y. Ozaki: Molecular Structure, Crystallinity, and Morphology of Uncompatibilized and Compatibilized

Blends of Polyethylene/Nylon 12, Plague Meeting on Macromolecules, July 20-24, 2003 (Plague, Czech).

36. Y. Ozaki, Y. Ren, A. Matsushita, K. Matsukawa, H. Inoue, Y. Minami, and I. Noda: Two-Dimensional Raman-near Infrared heterospectral Correlation Spectroscopy Studies of the Poly(4-Vinylphenol), 2DCOS-2, August 21-23, 2003 (Nottingham, United Kingdom).

## 2004

37. J. Zhang, H. Tsuji, I. Noda, and Y. Ozaki: Cold Crystallization Behavior of PLLA Investigated by Infrared and two-Dimensional Infrared Correlation Spectroscopy, 1st Asian Symposium on Two-Dimensional Correlation Spectroscopy (AS-2DCOS-1), June 7-8, 2004 (Kyungju, Korea).
38. T. Itoh, K. Hashimoto, Y. Kikkawa, A. Ikehata, and Y. Ozaki: Direct Investigation of Surface Enhanced Plasmon Resonance Sensitive Surface Enhanced Raman Scattering Using Single Ag Nano-Aggregates, 14th International Conference on Raman Spectroscopy (ICORS 2004), August 8-13, 2004 (Gold Coast, Australia).
39. H. Sato, J. Dybal, R. Murakami, I. Noda, and Y. Ozaki: Infrared and Raman Spectroscopy and Quantum Studies of  $\text{CH}\cdots\text{O}$  Hydrogen Bondings and Thermal Behavior of Biodegradable Polyhydroxyalkanoate, 27th European Congress on Molecular Spectroscopy (EUCMOS 2004), September 5-10, 2004 (Krakow, Poland).
40. Y. Ozaki, J. Zhang, and H. Tsuji: Two-Dimensional Infrared Correlation Spectroscopy Study of Crystallization Dynamics of Poly(L-lactic acid) during Cold-Crystallization, 31st Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), October 3-7, 2004 (Portland, USA).
41. S. Kasemsumran, Y. Du, K. Maruo, and Y. Ozaki: Application of Searching Combination Moving Window partial Least Squares to Non-Invasive Blood Glucose Assay with Near-Infrared Spectroscopy, International Conference on Chemometrics and Bioinformatics in Asia (CCBA-2004), October 16-20, 2004 (Shanghai, China).

## 2005

42. Y. Ozaki, H. Sato, Y. Ando, J. Zhang, R. Murakami, K. Mori, I. Takahashi, H. Terauchi, and I. Noda: Thermal Behavior and Crystallization Mechanism of Poly(3-Hydroxybutyrate), Poly(3-Hydroxybutyrate-co-Hydroxyhexanoate), 3rd International Symposium of X-ray and Neutron Scattering on Integrated Molecular Symposium, June 23-25, 2005 (Pohang University, Korea).
43. T. Itoh, K. Hashimoto, Y. Kikkawa, A. Ikehata, and Y. Ozaki: Direct Demonstration of Localized Surface Plasmon Resonance Coupled, 3rd International Conference on Materials for Advanced Technologies (ICMAT-2005), July 3-8, 2005 (Suntec Singapore International Convention and Exhibition Centre, Singapore).
44. Y. Ozaki, J. Zhang, H. Tsuji, and I. Noda: Two-Dimensional Infrared Correlation Spectroscopic Study on the Melt and Cold-Crystallization Process of Poly(L-lactic acid), The 3rd International

Symposium on Two-Dimensional Correlation Spectroscopy (2DCOS-3), August 12-14, 2005 (Delavan, Wisconsin, USA).

45. T. Itoh, Y. Kikkawa, K. Hashimoto, and Y. Ozaki: The Electromagnetic Interaction between Surface Enhanced Raman Scattering-Active Silver Nanoaggregation and the Molecule Adsorbed on it, The 3rd International Conference on Advanced Vibrational Spectroscopy (ICAVS-3), August 14-19, 2005 (Delavan, Wisconsin, USA).
46. H. Sato, J. Dybal, T. Iwata, R. Murakami, J. Zhang, K. Tashiro, I. Noda, and Y. Ozaki: Polarized Infrared Spectroscopy and Quantum Chemistry Calculation Studies of C-H $\cdots$ O Hydrogen Bondings and Lamella Structure in Biodegradable Polyhydroxybutyrate, 32nd Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS 2005), October 9-13, 2005 (Quebec, Canada).
47. H. Sato, J. Dybal, T. Iwata, R. Murakami, J. Zhang, K. Tashiro, I. Noda, and Y. Ozaki: Polarized Infrared Spectroscopy and Quantum Chemistry Calculations Studies on Structure and orientation of C-H $\cdots$ O=C Hydrogen Bondings in Poly(3-hydroxybutyrate), The First International Symposium of Research Center for Environment Friendly Polymers (IS-RCEFP-I), October 24-25, 2005 (Kwansei Gakuin University, Hyogo).

## 2006

48. Y. Ozaki: Lamella Structure and Thermal Behavior of Poly(Hydroxybutyrate) Studied by Infrared Spectroscopy and Wide-Angle X-Ray Diffraction, International Symposium on Polymer Physics (PP2006), June 1-5, 2006 (Suzhou, China).
49. Y. Ozaki, T. Itoh, Y. Kikkawa, and K. Yoshida: Surface Enhanced Raman Scattering ? Single Silver Nanoaggregate Study, 20th International Conference on Raman Spectroscopy (ICORS-2006), August 20-25, 2006 (Yokohama, Japan).

## 2007

50. K. Yoshida, T. Itoh, A. Sujith, V. Biju, M. Ishikawa, Y. Ozaki: The coupling efficiency between Raman scattering plus fluorescence and plasmon resonance Rayleigh scattering in surface-enhanced resonance Raman scattering, The 9th Asian Conference on Analytical Science, November 4-8, 2007 (Jeju Island, Korea).
51. Y. Hu, B. Li, H. Sato, I. Noda, and Y. Ozaki: Noise Perturbation in Functional Principal Component Analysis Filtering for Two-Dimensional Correlation Spectroscopy, 2DCOS, August 16-18, 2007 (Tsinghua Univ, China).
52. K. Yoshida, T. Itoh, V. Biju, M. Ishikawa, and Y. Ozaki: Anti-Stokes and Stokes Surface Enhanced Resonance Raman Scattering from Single Ag Nanoaggregates, Colloquium Spectroscopicum Internationale XXXV (CSI XXXV), September 23-27, 2007 (Xiamen, China).

## 2008

53. Y. Ozaki: Weak Hydrogen Bondings in Biodegradable Polymers Studied by Infrared Spectroscopy and X-ray Diffraction, The 8th International Symposium on Polymer Physics (PP'2008), 8-12 June 2008 (Xiamen, China).
54. Y. Ozaki: NIR Spectra of Alkanes, Alcohols, and Water - How We Go About Understanding Them, The 14th International Diffuse Reflectance Conference (IDRC), 3-8 August 2008 (Wilson College, Chambersburg, PA, USA).
55. Y. Ozaki: Perturbation-Correlation Moving-Window 2D Correlation Spectroscopy and Its Applications to a Series of Vibrational Spectra, The 35th Federation of Analytical Chemistry and Spectroscopy Societies (FACCS), 28 September - 2 October 2008 (Grand Sierra Resort, Reno, Nevada, USA).
56. Y. Ozaki : Studies of Mechanism of Surface-Enhanced Raman Scattering and Development of Ultrasensitive Analytical Methods of Biological Molecules based on the Studies (Plenary Lecture), International Chemical Conference, Taipei: Analytical Chemistry, 2-5 October 2008 (National Sun Yat-Sen University, Kaohsiung, Taiwan).
57. Y. Ozaki : Mechanism of Surface-Enhanced Raman Scattering and Its Application to Highly Sensitive Protein Detection (Plenary Lecture), The 15th National Conference on Molecular Spectroscopy, 17-20 October 2008 (Tsinghua University, Beijing, China).
58. Y. Ozaki: Noninvasive NIR Measurement of Blood Glucose (Invited Lecture), The Second National Academic Conference on Near-Infrared Spectroscopy, 20-22 November 2008 (Changsha, China).
59. Y. Ozaki: Recent Progress in SERS Spectroscopy (Invited Lecture), 80 years of Raman effect: Reflections and the Future, 8-10 December 2008 (Indian Institute of Science, Bangalore, India).

## **2009**

60. H. Shinzawa, K. Awa, M. Okada, I. Noda and Y. Ozaki: Multiple Perturbation Two-Dimensional (MP2D) Correlation Analysis of Cellulose by Attenuated Total Reflectance Infrared (ATR IR) Spectroscopy, The Fifth International Symposium on Two-dimensional Correlation Spectroscopy (2DCOS5), 5-7 August 2009 (Wroclaw, Poland).
61. Y. Ozaki, Y. Kitahama, Y. Tanaka, and T. Itoh: A Study on Blinking in Surface-Enhanced Resonance Raman Scattering of Thiocyanine Adsorbed on a Single Silver Nanoaggregate, The 12th ISEC, 13-15 August 2009 (Changchun, China).
62. Y. Ozaki: Second Enhancement in Surface-Enhanced Resonance Raman Scattering, The Second Asian Spectroscopy Conference, 30 November - 2 December 2009 (Hoam Convention Center, Seoul National University, Seoul, South Korea).

## **2010**

63. Y. Ozaki, Y. Kitahama, Y. Tanaka, T. Itoh: Blinking SERS from Single Ag Nanoaggregates with Various LSPR Wavelengths, ICORS 2010, 8-13 August 2010 (Boston Park Plaza Hotel, Boston, MA, USA).
64. Y. Ozaki: Near-Infrared/Infrared Spectroscopy and Density-Functional-Theory Calculation Study

on Frequencies and Absorption Intensities of Fundamentals and Overtones of NH Stretching Vibrations of Pyrrole and Pyrrole-Pyridine Complex, The Second Asian NIR Symposium (ANS2010), 15-18 October 2010 (East China University of Science and Technology, Shanghai, China).

65. Y. Ozaki, H. Shinzawa: Multiple-perturbation Two-dimensional Correlation Analysis of Cellulose by Attenuated Total Reflectance Infrared (ATR IR) Spectroscopy, 37th FACSS, 17-21 October 2010 (Raleigh Convention Center, Raleigh, NC, USA).

## 2011

66. Y. Ozaki, N. Spegazzini: Two-dimensional Distribution Spectroscopy, Sixth International Meeting on 2-Dimensional Correlation Spectroscopy (2DCOS-6), 9-12 June 2011 (Sonoma Doubletree Hotel, California, USA).
67. Y. Ozaki : SERS, Basic Principle and Its Application to Biomedical Sciences, 5th Annual Dasari Lecture, 22 November 2011 (Massachusetts Institute of Technology, Boston, USA).
68. Y. Ozaki: Blinking SERS from Single Ag Nanoaggregates, The Third Asian Spectroscopy Conference (ASC2011), 28 November – 1 December 2011, (Xiamen University, China).
69. T. Itoh and Y. Ozaki: Experimental Evaluation of Electromagnetic Enhancement and Blinking in Surface-Enhanced Raman Scattering, The 2nd International Conference on Frontiers of Plasmonics (FOP2), (Sichuan University, China).

## 2012

70. Y. Ozaki: Versatility and Diversity of Near-Infrared Spectroscopy in Science and Technology, The 3rd Asian NIR Symposium, 14-18 May 2012 (Amari Watergate Hotel, Bangkok).
72. Y. Ozaki, S. Yamamoto Y. Morisawa, H. Hoshina, S. Ishii, C. Otani, H. Sato: Low-Frequency Raman and THz Studies on Higher-Order Structures of Polymers, SCIX2012, 30 September-4 October 2012 (Kansas City, USA).
73. Y. Ozaki: Frontiers of Biomedical Application of SERS: New Strategies for, SCIX2012, 30 September-4 October 2012 (Kansas City, USA).
74. Y. Ozaki, N. Spegazzini, H. W. Siesler: Sequential Identification of Model Parameters by Derivative Double Two-Dimensional Correlation Spectroscopy and Calibration-Free Approach in Chemical Reaction Systems, SCIX2012, 30 September-4 October 2012 (Kansas City, USA).
75. Y. Ozaki: Nanoscience and Biomedical Applications of Surface-enhanced Raman and Chip-enhanced Raman Scattering, 4th AIST-ANNA Symposium, 17 October 2012 (Osaka, Japan).
76. Y. Ozaki: Tip Enhanced Raman Scattering Study on Surface and Interface, International Symposium and Annual Meeting of Spectroscopical Society of Japan 2012, 27-30 November 2012 (Tokyo, Japan).

## 2014

77. Y. Ozaki, Shigeaki Yamamoto, Harumi Sato, Yusuke Morisawa, Ichiro Tanabe, Hiromichi Hoshina: Crystalline Poly – (R) – 3 – Hydroxybutyrate Studied by Raman Raman and Terahertz

Spectroscopy and Quantum Mechanical Calculations, ICORS 2014, 10-15, August 2014 (Jena, Germany)

78. Y. Ozaki: Medical Application of Raman Spectroscopy -Past, Present and Future-, Biomedical Molecular Imaging 2014, 6-8, November 2014 (Taipei, Taiwan)

## 2015

79. Y. Ozaki: Biosensing by Raman Spectroscopy and Chemometrics, CAC 2015, 22-26 June 2015 (Changsha, China)

80. Y. Ozaki: Tip-enhanced Raman Scattering Study of Graphenes, Raman Fest 2015, 6-8 May 2015 (Xiamen, China)

81. Y. Ozaki, Sanpon Vaintasin, Toshiaki Suzuki, Tadaaki Kaneko, Tip-enhanced Raman scattering study on epitaxial graphene, The Fifteenth International Symposium on Electroanalytical Chemistry, 13-16 August 2015 (Changchun, China)

82. Wei Ji, Yue Wang, Ichiro Tanabe, Bing Zhao and Y. Ozaki: Semiconductor-enhanced Raman scattering: towards applications in highly robust SERS sensing, FACSS/SCIX Conference annual meeting, 27 Sep.-2 Oct. 2015 (Providence, USA)

83. Y. Ozaki, Erika Onishi, Shigeki Yamamoto, Harumi Sato, Daitaro Ishikawa, Hiromichi Hoshina : Low-frequency vibrational modes and intermolecular interaction of Nylon 6 studied by Raman, far-IR, and Terahertz Spectroscopies with Quantum Chemical Calculation, The International Chemical Congress of Pacific Basin Societies (Pacifichem 2015), 15-20 December 2015 (Honolulu, Hawaii, USA)

## 2016

84. Ichiro Tanabe, Yoshito Tanaka, Takayuki Ryoki, Koji Watari, Takeyoshi Goto, Masakazu Kikawada, Wataru Inami, Yoshimasa Kawata, Y. Ozaki, "Far- and Deep-Ultraviolet Surface Plasmon Resonance Properties of Aluminum Thin Films Depending on Surrounding Refractive Index", IUPAC Photochemistry in Osaka, April 3-8, 2016, (Osaka, Japan)

85. Y. Ozaki, "Tip-enhanced Raman Scattering Studies of Graphene", The 18th International Symposium on the Physics of Semiconductors and Applications, 3-7 July 2016 ( Jeju, Korea)

86. Y. Ozaki, "3D SERS imaging using chemically-synthesized highly-symmetric nanoporous silver microstructure", UV and Higher Energy Photonics; From Materials to Applications at SPIE Optics+ Photonics 2016, 28 August - 1 September 2016 (San Diego, USA)

87. Y. Ozaki, "Attenuated Total Reflection Far-and Deep-Ultraviolet Spectroscopy for condensed Phase", FACSS/SCIX Conference annual meeting, 18 – 23 September 2016 (Minneapolis, MN, USA)

88. Sanpon Vantasin, Yasutaka Kitahama, Yoshito Tanaka, Harnchana Gatemala, Kanet Wongravee, Sanong Ekgasit, Yukihiro Ozaki, "3D SERS imaging using chemically synthesized nanoporous silver microparticles with highly symmetric geometry", ICOPVS-2016 (16th International Conference on Perspectives in Vibrational Spectroscopy), 5-8 November 2017 (Lucknow, India)



89. Y. Ozaki, "Two dimensional correlation spectroscopy study of time resolved synchronous SAXS and WAXD data of Multistep Crystallization process of Poly (3-hydroxybutyrate)", 第十九届全国分子光谱学学会 2016 年光谱年会, 27-31 October 2016 (Fuzhou, China)
90. Y. Ozaki, "3D SERS Imaging-principle and Applications", BIT's 5th Annual Congress of AnalytiX-2017, 22-24 March 2017 (Fukuoka, Japan)
91. Vantasin, W. Ji, Y. Tanaka, K. Wongravee, S. Ekgasit, Y. Ozaki, "3D SERS imaging of polymer films by highly symmetric nanoporous silver microparticles", 9th International Conference on Advanced Vibrational Spectroscopy (ICAVS9), 11-16 June 2017 (Victoria, Canada) Plenary Lecture
92. Y. Ozaki, "Tip-enhanced Raman Scattering in Solution: An Approach to Investigate Wet Surface in Nano-scale", 16th ISEAC (the Sixteenth International Symposium on Electroanalytical Chemistry), 17-20 August 2017 (Changchun, China) Keynote Lecture
93. Y. Ozaki, "Attenuated Total Reflection Far-ultraviolet Spectroscopy" 6th Asian Spectroscopy Conference, 3-6, September 2017 (Taiwan) Keynote Lecture
94. Y. Ozaki, "International Conference on SERS (SERS-2017)", 5-9 December 2017 (Xiamen, China) Keynote Lecture
95. Y. Ozaki, "Tip-enhanced Raman scattering monitoring of a nanoscale pH at a solution/solid interface by chemically modified tip-enhanced Raman scattering tip", SPIE Nanoscience + Engineering, 6-10 August 2017 (San Diego, USA)
96. Y. Ozaki, Y. Morisawa, K. Bec, J. Grabska, I. Tanabe, H. Sato, "ATR-FUV-DUV spectroscopy studies of graphene and graphene polymer nano composite", FACSS / SciX Conference, 8-13 October 2017 (Reno, USA)
97. Y. Ozaki, S. Vantasin, 3D SERS Imaging, FACSS / SciX Conference, 8-13 October 2017 (Reno, USA)
98. Y. Ozaki, Ultrasensitive Detection of Thyrotropin-Releasing Hormone Based on Azo Coupling and Surface-Enhanced Resonance Raman Spectroscopy, FACSS / SciX Conference, 8-13 October 2017 (Reno, USA)
99. Y. Ozaki, "Molecular spectroscopy of electronic and vibrational transitions in condensed phase and its application to chemistry", International Conference on Advancing Molecular Spectroscopy, 30 June, 1 July 2018 (Nishinomiya, Japan). Plenary lecture
100. Y. Ozaki, "Frontiers of Tip-Enhanced Raman Spectroscopy", The 6th Annual Conference on Advanced Applied Raman Spectroscopy (HORIBA Raman Fest), 25, 26 June 2018 (Tokyo, Japan). Special lecture.
101. Y. Ozaki, "Frontiers of NIR imaging of biological samples", The 6th Asian NIR Symposium, 21-24 June 2018 (Kunming, China). Plenary lecture
102. Y. Ozaki, "Chiral discrimination using chemically modified tip-enhanced Raman spectroscopy (TERS) based charge-transfer and hydrogen bonding", The 26th International Conference on Raman Spectroscopy, August 26-31 (Jeju, Korea). Keynote lecture.

103. Y. Ozaki, K. Bec, Y. Morisawa, I. Tanabe, "ATR spectroscopy and quantum chemical calculation study of electronic spectra of graphene in far- and deep-ultraviolet spectroscopy", FACSS / SciX Conference, 21-26 October 2018 (Atlanta, USA)
104. Y. Ozaki, M. Ishigaki, H. Hayashi, Y. Nakayama, H. Taniguchi, I. Ishimaru, "Nonstaining blood flow imaging based on optical interference", FACSS / SciX Conference, 21-26 October 2018 (Atlanta, USA).
105. Y. Ozaki, "Frontiers of ATR-Far-Ultraviolet Spectroscopy", Pittsburg Conference, 17-21 March 2019 (Philadelphia, USA). Award lecture.
106. Y. Ozaki, "Potential Biomarkers indicating developmental competence of matured oocytes studied by Raman spectroscopy", Pittsburg Conference, 17-21 March 2019 (Philadelphia, USA).
107. Y. Ozaki, "Chiral discrimination using chemically modified tip-enhanced Raman scattering" The 10th International Conference on Advanced Vibrational Spectroscopy, 7-12 July 2019 (Auckland, New Zealand).
108. Y. Ozaki, "Two-dimensional Terahertz Correlation Spectroscopy Studies of Nylon", The 10th International Symposium on Two-dimensional Correlation Spectroscopy, 23-25 August 2019 (Changchun, China).
109. Y. Ozaki, "Application of Far-ultraviolet Spectroscopy to Analytical Chemistry including Application to Electrochemistry", The 7th International Symposium on Electroanalytical Chemistry, 22-25 August 2019 (Changchun, China).
110. Y. Ozaki, "ATR-FUV and DUV spectroscopy studies of graphene", SPIE Optics + Photonics, 11-15 August 2019 (San Diego, USA)
111. Y. Ozaki, "Recent Progress on the Application of Near-infrared Spectroscopy to Physical Chemistry", FACSS / SciX Conference, 21-26 October, 2019 (Palm Spring, USA).
112. Y. Ozaki, "50 Years of Biomedical Application of Raman Spectroscopy" Award lecture for Charles Mann Award for Applied Raman, SciX on-line, 14 October, 2020.
113. Y. Ozaki, "Chiral discrimination by TERS", Plenary Lecture, Asian Spectroscopy Conference (AMC) 2020, 8 December, 2020 (on-line, Singapore)
114. Y. Ozaki, "History, Developments, and Perspectives of FIR, Terahertz, and Low-frequency Raman Spectroscopy", IW-FIRT2021, 9 March, 2021. (on-line, Fukui).
115. Y. Ozaki, "Molecular Spectroscopy Studies of Water from Far-ultraviolet to Far-infrared/Terahertz and Raman Spectroscopy", keynote lecture. The 4th Aquaphotomics International Conference, 20 March, 2021 (on-site on-line hybrid, Kobe).
116. Y. Ozaki, "Raman Imaging of Paraffin-Embedded Oral Cancer Tissue". SAS-Coblentz-Spectroscopy virtual symposium "Molecular Spectroscopy in Practice: Raman and Infrared Spectroscopy Imaging". 28 July, 2021.
117. Y. Ozaki, "Chiral discrimination by TERS", SPIE Optics and Photonics (Hybrid, San Diego OP21- Final-L.pdf ). 1-5 August, 2021.

118. Y. Ozaki, "Quantum Chemical Approaches in Molecular Spectroscopy of the Condensed Phase – Advances, Challenges, and Perspectives" 11th ICAVS (International Conference on Advanced Vibrational Spectroscopy (on-line, Krakow) 25 August, 2021.
119. Y. Ozaki, "Advances, Challenges and Perspectives of Tip-enhanced Raman Scattering." The 18th International Symposium on Electroanalytical Chemistry (18th ISEAC) Hybrid, Changchun, China, 27 August, 2021.
120. Y. Ozaki, Award lecture, NIR Spectroscopy-What a Wonderful World! International Conference on Near Infrared Spectroscopy. On-line, Beijing, 18 October, 2021
121. Y. Ozaki, Hydrogen bonding studies by overtones and combinations, Pacificchem, On-line, Honolulu, Hawaii, 18 December, 2021.
122. Y. Ozaki, ATR-FUV spectroscopy of water and aqueous solutions, Pacificchem, On-line, Honolulu, Hawaii, 19 December, 2021.
123. Y. Ozaki, SERS and TERS Investigations on Enantioselective discrimination, Pacificchem, On-line, Honolulu, Hawaii, 21 December, 2021.