

Takeshi Hasegawa

List of Publications by Year in descending order

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135
papers

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#	ARTICLE	IF	CITATIONS
1	Perfluoroalkanes remain on water surface even after volatilization: Affinity analysis of fluorinated solvent with water surface. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 390-396.	9.4	1
2	Control of supramolecular organizations by coordination bonding in tetrapyrrolylporphyrin thin films. <i>Chemical Communications</i> , 2022, 58, 2116-2119.	4.1	5
3	Celebrate the renewal of Analytical Sciences. <i>Analytical Sciences</i> , 2022, 38, 9-9.	1.6	0
4	Stereoisomer-dependent conversion of dinaphthothienothiophene precursor films. <i>Scientific Reports</i> , 2022, 12, 4448.	3.3	1
5	Determine both the conformation and orientation of a specific residue in Î±-synuclein(61-95) even in monolayer by ¹³ C isotopic label and p-polarized multiple-angle incidence resolution spectrometry (pMAIRS). <i>Analytical Sciences</i> , 2022, 38, 935-940.	1.6	2
6	Monitoring of Crystallization Process in Solution-Processed Pentacene Thin Films by Chemical Conversion Reactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2437-2445.	3.1	2
7	Formation of <i>trans</i> -Poly(thienylenevinylene) Thin Films by Solid-State Thermal Isomerization. <i>Chemistry of Materials</i> , 2021, 33, 5631-5638.	6.7	2
8	Substrate-Independent Control of Polymorphs in Tetraphenylporphyrin Thin Films by Varying the Solvent Evaporation Time Using a Simple Spin-Coating Technique. <i>Crystal Growth and Design</i> , 2021, 21, 5116-5125.	3.0	4
9	Absolute Absorption Cross Section and Orientation of Dangling OH Bonds in Water Ice. <i>Astrophysical Journal Letters</i> , 2021, 923, L3.	8.3	7
10	Supramolecular double-stranded Archimedean spirals and concentric toroids. <i>Nature Communications</i> , 2020, 11, 3578.	12.8	67
11	Controlling the concentration gradient in sequentially deposited bilayer organic solar cells via rubbing and annealing. <i>RSC Advances</i> , 2020, 10, 37529-37537.	3.6	6
12	Quantitative Anisotropic Analysis of Molecular Orientation in Amorphous N ₂ O at 6 K by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7857-7866.	4.6	5
13	Infrared active surface modes found in thin films of perfluoroalkanes reveal the dipole-dipole interaction and surface morphology. <i>Journal of Chemical Physics</i> , 2020, 153, 044703.	3.0	8
14	In vivo characterization of the structures of films of a fatty acid and an alcohol adsorbed on the skin surface. <i>Biophysical Chemistry</i> , 2020, 266, 106459.	2.8	1
15	Simultaneous Analysis of Molecular Orientation and Quantity Change of Constituents in a Thin Film Using pMAIRS. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2714-2720.	2.5	15
16	Structure-Dependent Electron Affinities of Perylene Diimide-Based Acceptors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9765-9773.	3.1	18
17	MAIRS: Innovation of Molecular Orientation Analysis in a Thin Film. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1127-1138.	3.2	34
18	Hidden thin-film phase of dinaphthothienothiophene revealed by high-resolution X-ray diffraction. <i>Applied Physics Express</i> , 2020, 13, 095505.	2.4	7

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19	Two-Dimensional Film Growth of Zinc Tetraphenylporphyrin with the Aid of Solvent Coordination. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1335-1340.	3.2	4
20	Conformation change of α -synuclein(61-140) at the air-water interface and quantitative measurement of the tilt angle of the axis of its α -helix by multiple angle incidence resolution spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110401.	5.0	7
21	Second Generation of Multiple-Angle Incidence Resolution Spectrometry. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7177-7183.	2.5	13
22	Morphology-sensitive infrared absorption bands of polymers derived from surface polaritons. <i>AIP Advances</i> , 2019, 9, .	1.3	15
23	Determination of pH Dependent Structures of Thymol Blue Revealed by Cooperative Analytical Method of Quantum Chemistry and Multivariate Analysis of Electronic Absorption Spectra. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1759-1766.	3.2	11
24	Noise Reduction in Solid-State NMR Spectra Using Principal Component Analysis. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10333-10338.	2.5	24
25	pMAIRS Analysis on Chain-End Functionalization of Densely Grafted, Concentrated Polymer Brushes. <i>Macromolecules</i> , 2019, 52, 6673-6682.	4.8	7
26	Thermotropic Transition Behaviors of Novel Partially Fluorinated Dimyristoylphosphatidylcholines with Different Perfluoroalkyl Chain Lengths. <i>Chemistry Letters</i> , 2019, 48, 1105-1108.	1.3	2
27	Fluorous Property of a Short Perfluoroalkyl-Containing Compound Realized by Self-Assembled Monolayer Technique on a Silicon Substrate. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 785-789.	3.2	12
28	Raman Optical Activity on a Solid Sample: Identification of Atropisomers of Perfluoroalkyl Chains Having a Helical Conformation and No Chiral Center. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3985-3991.	2.5	11
29	Alternative Face-on Thin Film Structure of Pentacene. <i>Scientific Reports</i> , 2019, 9, 579.	3.3	40
30	Phthalimide-Based Transparent Electron Transport Materials with Oriented Amorphous Structures: Preparation from Solution-Processed Precursor Films. <i>ChemPlusChem</i> , 2019, 84, 1396-1404.	2.8	10
31	Probing the Molecular Structure and Orientation of the Leaf Surface of <i>Brassica oleracea</i> L. by Polarization Modulation-Infrared Reflection-Absorption Spectroscopy. <i>Plant and Cell Physiology</i> , 2019, 60, 1567-1580.	3.1	12
32	Rational Method of Monitoring Molecular Transformations on Metal-Oxide Nanowire Surfaces. <i>Nano Letters</i> , 2019, 19, 2443-2449.	9.1	21
33	Influence of Alkoxy Chain Length on the Properties of Two-Dimensionally Expanded Azulene-Core-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 6741-6752.	3.3	21
34	Molecular Orientation Change in Naphthalene Diimide Thin Films Induced by Removal of Thermally Cleavable Substituents. <i>Chemistry of Materials</i> , 2019, 31, 1729-1737.	6.7	40
35	Impact of Kinetically Restricted Structure on Thermal Conversion of Zinc Tetraphenylporphyrin Thin Films to the Triclinic and Monoclinic Phases. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4540-4545.	3.1	6
36	Reversible Valence Photoisomerization between Closed-Shell Quinoidal and Open-Shell Biradical Forms. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1833-1837.	4.6	10

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37	Structure control of a zinc tetraphenylporphyrin thin film by vapor annealing using fluorine containing solvent. <i>Thin Solid Films</i> , 2018, 665, 85-90.	1.8	5
38	Molecular Aggregation of Perfluoroalkyl Groups Can Win the Hydrogen Bonding between Amides. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22018-22023.	3.1	9
39	Robust Surface Plasmon Resonance Chips for Repetitive and Accurate Analysis of Ligninâ€“Peptide Interactions. <i>ACS Omega</i> , 2018, 3, 7483-7493.	3.5	6
40	Amyloid- β fibrils assembled on ganglioside-enriched membranes contain both parallel β -sheets and turns. <i>Journal of Biological Chemistry</i> , 2018, 293, 14146-14154.	3.4	44
41	Analysis of Molecular-level Conditions in Polymer Systems by Using a Pulse-Induced Dynamic Compression ATR Infrared Step Scan Time Resolved FT-IR. Part 1â€“, Basic Simulation Study Based on a Fresnel Multiple Reflection Modelâ€“. <i>Kobunshi Ronbunshu</i> , 2018, 75, 597-606.	0.2	2
42	Optimal Experimental Condition of IR pMAIRS Calibrated by Using an Optically Isotropic Thin Film Exhibiting the Berreman Effect. <i>Applied Spectroscopy</i> , 2017, 71, 901-910.	2.2	28
43	Isolation of the simplest hydrated acid. <i>Science Advances</i> , 2017, 3, e1602833.	10.3	39
44	Applications: Various Techniques to Make the Best Use of IR Spectroscopy. , 2017, , 165-193.		0
45	Physicochemical Nature of Perfluoroalkyl Compounds Induced by Fluorine. <i>Chemical Record</i> , 2017, 17, 903-917.	5.8	58
46	Quantitative Infrared Spectroscopy for Understanding of a Condensed Matter. , 2017, , .		49
47	Determination of equilibrium structures of bromothymol blue revealed by using quantum chemistry with an aid of multivariate analysis of electronic absorption spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 104-110.	3.9	34
48	Accurate Molecular Orientation Analysis Using Infrared p-Polarized Multiple-Angle Incidence Resolution Spectrometry (pMAIRS) Considering the Refractive Index of the Thin Film Sample. <i>Applied Spectroscopy</i> , 2017, 71, 1242-1248.	2.2	22
49	Study of Perfluoroalkyl Chain-Specific Band Shift in Infrared Spectra on the Chain Length. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8425-8431.	2.5	14
50	In Situ Nondestructive Analysis of <i>Kalanchoe pinnata</i> Leaf Surface Structure by Polarization-Modulation Infrared Reflectionâ€“Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 11124-11131.	2.6	13
51	Controlling Mechanism of Molecular Orientation of Poly(3-alkylthiophene) in a Thin Film Revealed by Using pMAIRS. <i>Macromolecules</i> , 2017, 50, 5090-5097.	4.8	22
52	Fringe and Noise Reductions of pMAIRS Spectra Using Principal Component Analysis. <i>Analytical Sciences</i> , 2017, 33, 117-120.	1.6	8
53	Formation of Polyglycine II Structure from Fatty Acid Derivatives Containing Mono-, Di- and Tri-Glycinate. <i>Kobunshi Ronbunshu</i> , 2016, 73, 69-75.	0.2	3
54	Comprehensive Understanding of Structureâ€“Controlling Factors of a Zinc Tetraphenylporphyrin Thin Film Using pMAIRS and GIXD Techniques. <i>Chemistry - A European Journal</i> , 2016, 22, 16539-16546.	3.3	22

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55	Molecular structural analysis of hydrated ethylene glycol accounting for the antifreeze effect by using infrared attenuated total reflection spectroscopy. <i>Journal of Molecular Liquids</i> , 2016, 223, 621-627.	4.9	22
56	Surface properties of a single perfluoroalkyl group on water surfaces studied by surface potential measurements. <i>Journal of Colloid and Interface Science</i> , 2016, 483, 353-359.	9.4	17
57	In Situ Observation of a Self-Assembled Monolayer Formation of Octadecyltrimethoxysilane on a Silicon Oxide Surface Using a High-Speed Atomic Force Microscope. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2807-2813.	3.1	18
58	Characterization of Adsorbed Molecular Water on the Surface of a Stretched Polytetrafluoroethylene Tape Analyzed by ¹ H NMR. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2538-2543.	2.6	7
59	Synthesis of a distinct water dimer inside fullerene C70. <i>Nature Chemistry</i> , 2016, 8, 435-441.	13.6	114
60	Comprehensive Understanding of Perfluoroalkyl Compound-Specific Unique Bulk Properties. <i>Oleoscience</i> , 2016, 16, 129-136.	0.0	0
61	An Origin of Complicated Infrared Spectra of Perfluoroalkyl Compounds Involving a Normal Alkyl Group. <i>Chemistry Letters</i> , 2015, 44, 834-836.	1.3	16
62	Hydration structure of strongly bound water on the sulfonic acid group in a Nafion membrane studied by infrared spectroscopy and quantum chemical calculation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8843-8849.	2.8	35
63	A new schematic for poly(3-alkylthiophene) in an amorphous film studied using a novel structural index in infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13472-13479.	2.8	21
64	Quantitative Comparative Techniques of Infrared Spectra of a Thin Film. <i>ACS Symposium Series</i> , 2015, , 303-327.	0.5	1
65	Understanding of the intrinsic difference between normal- and perfluoro-alkyl compounds toward total understanding of material properties. <i>Chemical Physics Letters</i> , 2015, 627, 64-66.	2.6	32
66	Physicochemical design and analysis of self-propelled objects that are characteristically sensitive to environments. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10326-10338.	2.8	100
67	New developments of X-ray fluorescence imaging techniques in laboratory. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 113, 43-53.	2.9	44
68	Stratified Dipole Arrays Model Accounting for Bulk Properties Specific to Perfluoroalkyl Compounds. <i>ChemPlusChem</i> , 2014, 79, 1421-1425.	2.8	56
69	Transient Reciprocating Motion of a Self-Propelled Object Controlled by a Molecular Layer of a <i>N</i> -Stearoyl- <i>p</i> -nitroaniline: Dependence on the Temperature of an Aqueous Phase. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14888-14893.	3.1	5
70	Surface Selection Rule of Infrared Diffuse Reflection Spectrometry for Analysis of Molecular Adsorbates on a Rough Surface of a Nonabsorbing Medium. <i>Analytical Chemistry</i> , 2014, 86, 4202-4208.	6.5	4
71	Analysis of Molecular Orientation and Conformation of Poly(3-hexylthiophene) Thin Films on Silicon by Infrared <i>p</i> -Polarized Multiple-angle Incidence Resolution Spectrometry. <i>Chemistry Letters</i> , 2014, 43, 1198-1200.	1.3	9
72	Characterization of Molecular Adsorbates on a Flat Surface Using Infrared and Raman Spectroscopy. <i>Bunseki Kagaku</i> , 2014, 63, 485-495.	0.2	0

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73	Analysis of the Hydration Process and Rotational Dynamics of Water in a Nafion Membrane Studied by ¹ H NMR Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 7581-7587.	6.5	13
74	Infrared spectroscopic study of stereo-controlled poly(N-isopropylacrylamide) with an extended chain conformation induced by adsorption on a gold surface. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9411-9418.	3.7	5
75	Analysis of the Surface Coverage of a Self-Assembled Monolayer of Octadecyl Silane on a Si(100) Surface by Infrared External-Reflection Spectroscopy. <i>Analytical Sciences</i> , 2013, 29, 979-984.	1.6	17
76	Correlation between the local OH stretching vibration wavenumber and the hydrogen bonding pattern of water in a condensed phase: Quantum chemical approach to analyze the broad OH band. <i>Journal of Molecular Structure</i> , 2012, 1029, 209-216.	3.6	9
77	Polarization Dependence of Raman Scattering from a Thin Film Involving Optical Anisotropy Theorized for Molecular Orientation Analysis. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5560-5570.	2.5	15
78	Molecular Rearrangement in a Zinc Stearate Langmuir Film Dependent on a Film Preparation Method Studied Using Polarization-Modulation Infrared Reflection Absorption Spectroscopy and X-ray Absorption Fine Structure. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3148-3154.	2.6	3
79	Dynamic Rearrangement of Stearic Acid Molecules Adsorbed on a Gold Surface Induced by Ambient Water Molecules Studied by Infrared Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17142-17148.	3.1	5
80	Surface Modification of Siliceous Materials Using Maleimidation and Various Functional Polymers Synthesized by Reversible Addition- ϵ -Fragmentation Chain Transfer Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5125-5133.	8.0	28
81	Anisotropic light absorption by localized surface plasmon resonance in a thin film of gold nanoparticles studied by visible multiple-angle incidence resolution spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9691.	2.8	10
82	Infrared spectroscopic study of molecular interaction of tacticity-controlled poly(N-isopropylacrylamide) in a cast film deposited on a solid substrate. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2203-2209.	3.7	12
83	Analysis of Cross-Section Structure of a Polymer Wrapping Film Using Infrared Attenuated Total Reflection Imaging Technique with an Aid of Chemometrics. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6878-6885.	2.6	13
84	A Conformation and Orientation Model of the Carboxylic Group of Fatty Acids Dependent on Chain Length in a Langmuir Monolayer Film Studied by Polarization-Modulation Infrared Reflection Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11496-11501.	2.6	25
85	Quality Evaluation of Polarization-Modulation Infrared Reflection- ϵ Absorption Spectra of a Langmuir Monolayer on Water Dependent on Angle of Incidence and Molecular Orientation. <i>Applied Spectroscopy</i> , 2010, 64, 1374-1378.	2.2	8
86	Multivariate analysis of DSC- ϵ -XRD simultaneous measurement data: a study of multistage crystalline structure changes in a linear poly(ethylene imine) thin film. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 367-376.	3.7	23
87	Selection of modulation frequency of FT-IR equipped with an MCT detector for thin-film analysis. <i>Vibrational Spectroscopy</i> , 2009, 51, 76-79.	2.2	3
88	Analytical Understanding of Multiple-Angle Incidence Resolution Spectrometry Based on a Classical Electromagnetic Theory. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7810-7817.	2.5	21
89	Spontaneous Adsorption on a Hydrophobic Surface Governed by Hydrogen Bonding. <i>Langmuir</i> , 2009, 25, 9296-9301.	3.5	15
90	Anisotropic Molecular Structure in Dip-Coated Films of Linear Poly(ethylene imine) Studied by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12940-12945.	2.6	15

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91	A New Approach to Analysis of Molecular Structure in Thin Films: Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Applied Spectroscopy Reviews</i> , 2008, 43, 181-201.	6.7	31
92	Comment on "Determination of Surface Selection Rule of Surface Plasmon Resonance Near-Infrared Spectroscopy by Using a Langmuir-Blodgett Film". <i>Analytical Chemistry</i> , 2008, 80, 2631-2631.	6.5	0
93	Development of UV-Visible Multiple-Angle Incidence Resolution Spectrometry and Application Study of Anisotropic Surface Plasmon Excitation in a Silver Thin Film on a Glass Substrate. <i>Analytical Chemistry</i> , 2008, 80, 5630-5634.	6.5	10
94	Molecular Structure Analysis in a Dip-Coated Thin Film of Poly(2-perfluorooctylethyl acrylate) by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Macromolecules</i> , 2008, 41, 5780-5784.	4.8	30
95	Study of Molecular Aggregation of Artificial Amyloid in a Langmuir Monolayer by Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1391-1396.	2.6	7
96	Structural Analysis of Hierarchically Integrated Films of Supramolecular Polymers by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Kobunshi Ronbunshu</i> , 2008, 65, 37-45.	0.2	0
97	Experimental Optimization of p-Polarized MAIR Spectrometry Performed on a Fourier Transform Infrared Spectrometer. <i>Analytical Sciences</i> , 2008, 24, 105-109.	1.6	20
98	A Close-packed, Highly Insulating Organic Thin Monolayer on Si(111). <i>Chemistry Letters</i> , 2008, 37, 440-441.	1.3	5
99	Infrared Spectroscopic Study of Molecular Fastening by Mechanical Compression in an Elastic Film. <i>Chemistry Letters</i> , 2008, 37, 56-57.	1.3	1
100	Advanced Multiple-Angle Incidence Resolution Spectrometry for Thin-Layer Analysis on a Low-Refractive-Index Substrate. <i>Analytical Chemistry</i> , 2007, 79, 4385-4389.	6.5	82
101	Inhibition of Aggregation of a Biomimic Peptidolipid Langmuir Monolayer by Congo Red Studied by UV-Vis and Infrared Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2007, 111, 14227-14232.	2.6	2
102	A new spectroscopic tool for surface layer analysis: multiple-angle incidence resolution spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 7-15.	3.7	39
103	Analysis of Structurally Heterogeneous Langmuir-Blodgett Films of Folded/Unfolded Long-Chain Molecules by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 6121-6125.	6.5	20
104	Molecular Orientation Analysis of a Single-Monolayer Langmuir-Blodgett Film on a Thin Glass Plate by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 1739-1742.	6.5	14
105	Spectral Simulation Study on the Influence of the Principal Component Analysis Step on Principal Component Regression. <i>Applied Spectroscopy</i> , 2006, 60, 95-98.	2.2	5
106	Measurements of a monolayer Langmuir-Blodgett film on a thin glass plate by infrared multiple-angle incidence resolution spectroscopy. <i>Vibrational Spectroscopy</i> , 2006, 42, 41-44.	2.2	0
107	New Development in Chemometrics. <i>Bunseki Kagaku</i> , 2005, 54, 1-26.	0.2	6
108	Characterization of thin cast films of a trileucine-induced lipid by infrared multiple-angle incidence resolution spectrometry. <i>Journal of Molecular Structure</i> , 2005, 735-736, 63-67.	3.6	5

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109	Analysis of hydrogen-terminated Si(111) surface by infrared multiple-angle incidence resolution spectroscopy. <i>Chemical Physics Letters</i> , 2005, 415, 172-175.	2.6	9
110	Leucine Fastener Formation Mechanism between Peptide β -Sheets in a Monolayer Studied by Infrared Multiple-Angle Incidence Resolution Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4783-4787.	2.6	24
111	Fibril-Like Aggregate Formation of Peptide Carboxylate Langmuir Films Analyzed by Surface Pressure, Surface Dipole Moment, and Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12856-12860.	2.6	11
112	Structural analysis of biological aliphatic compounds using surface-enhanced Fourier transform Raman spectroscopy. <i>Biopolymers</i> , 2004, 73, 457-462.	2.4	10
113	Cartesian-Structure Analysis in Cast Films by Advanced Infrared Multiple-Angle Incidence Resolution Spectroscopy. <i>Analytical Chemistry</i> , 2004, 76, 3084-3090.	6.5	1
114	Spectroscopic Study of Surface Recovery of Germanium Substrate for Langmuir-Blodgett Films by Infrared Multiple-Angle Incidence Resolution Spectrometry. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2004, 12, 22-26.	0.1	2
115	Chemometrics for spectroscopic analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 18-19.	3.7	20
116	Analysis by partial reflection spectrometry of protonated tetraphenylporphyrin adsorbed at a liquid-liquid interface. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 374-378.	3.7	14
117	New Monolayer Architecture Constructed by Competitive Hydrogen-Bonding Force and Compression Pressure Characterized by Infrared Multiple-Angle Incidence Resolution Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11996-12002.	2.6	12
118	Aggregation properties of mycolic acid molecules in monolayer films: a comparative study of compounds from various acid-fast bacterial species. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1617, 89-95.	2.6	15
119	Characteristics of Long-Chain Fatty Acid Monolayers Studied by Infrared External-Reflection Spectroscopy. <i>Langmuir</i> , 2002, 18, 4758-4764.	3.5	17
120	A Novel Measurement Technique of Pure Out-of-Plane Vibrational Modes in Thin Films on a Nonmetallic Material with No Polarizer. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4112-4115.	2.6	111
121	Optimum Condition of Fourier Transform Infrared Multiple-Angle Incidence Resolution Spectrometry for Surface Analysis. <i>Analytical Chemistry</i> , 2002, 74, 6049-6054.	6.5	41
122	Analysis of Thermal Phase Transition via Time-Resolved Infrared Spectra Using Partial Least-Squares Regression Modeling Parameters. <i>Applied Spectroscopy</i> , 2002, 56, 288-294.	2.2	1
123	Selective Observation of Boundary Water near a Solid/Water Interface by Variable-Angle Polarization Specific Attenuated Total Reflection Infrared Spectroscopy and Principal-Component Analysis. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12056-12060.	2.6	26
124	Simultaneous Evaluation of Molecular-Orientation and Optical Parameters in Ultrathin Films by Oscillators-Model Simulation and Infrared External-Reflection Spectrometry. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11178-11185.	2.6	25
125	Detection of minute chemical signals by principal component analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2001, 20, 53-64.	11.4	21
126	Separation of Raman spectra from fluorescence emission background by principal component analysis. <i>Chemical Physics Letters</i> , 2000, 317, 642-646.	2.6	49

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127	A Langmuir Monolayer with a Nontraditional Molecular Architecture. <i>Journal of the American Chemical Society</i> , 2000, 122, 7890-7897.	13.7	42
128	Conformational Characterization of \pm -Mycolic Acid in a Monolayer Film by the Langmuir-Blodgett Technique and Atomic Force Microscopy. <i>Langmuir</i> , 2000, 16, 7325-7330.	3.5	22
129	Detection of Minute Chemical Species by Principal-Component Analysis. <i>Analytical Chemistry</i> , 1999, 71, 3085-3091.	6.5	50
130	Structural Characterization of Langmuir-Blodgett Films of Octadecyldimethylamine Oxide and Dioctadecyldimethylammonium Chloride. 2. Thickness Dependence of Thermal Behavior Investigated by Infrared Spectroscopy and Wetting Measurements. <i>Langmuir</i> , 1999, 15, 3601-3607.	3.5	25
131	Hydrogen Bonding Network Formed between Accumulated Langmuir-Blodgett Films of Barbituric Acid and Triaminotriazine Derivatives. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7505-7513.	2.6	19
132	Thermally Hydrated DPPC Langmuir Film: A Trial Application to the Analysis of Interaction of Sucrose with DPPC Liposome. <i>Journal of Physical Chemistry B</i> , 1997, 101, 6701-6706.	2.6	13
133	Thickness and temperature dependence of molecular structure in stearic acid LB films studied by FT-IR reflection-absorption spectroscopy. <i>Journal of Molecular Structure</i> , 1993, 297, 57-62.	3.6	29
134	Infrared external reflection study of molecular orientation in thin Langmuir-Blodgett films. <i>The Journal of Physical Chemistry</i> , 1993, 97, 9009-9012.	2.9	57
135	Fourier transform infrared metal overlayer attenuated total reflection spectra of Langmuir-Blodgett films of 12-hydroxystearic acid and its cadmium salt. <i>Thin Solid Films</i> , 1992, 210-211, 583-585.	1.8	17