

Richard James Saykally

List of Publications by Year in descending order

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274
papers

27,279
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times ranked

22213
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing Anion Adsorption to Aqueous Interfaces: Toluene-Water versus Air-Water. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 222-228.	2.1	5
2	Catalytic Mechanism of Interfacial Water in the Cycloaddition of Quadricyclane and Diethyl Azodicarboxylate. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3026-3030.	2.1	3
3	Rydberg States of H ₃ and HeH as Potential Coolants for Primordial Star Formation. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4267-4275.	1.1	1
4	Angstrom-Resolved Interfacial Structure in Buried Organic-Inorganic Junctions. <i>Physical Review Letters</i> , 2021, 127, 096801.	2.9	14
5	Molecular Properties and Chemical Transformations Near Interfaces. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9037-9051.	1.2	17
6	Revisiting the $\tilde{\nu}_1$ transition of the nitrite ion at the air/water interface: A combined experimental and theoretical study. <i>Chemical Physics Letters</i> , 2020, 751, 137516.	1.2	3
7	Free Electron Laser Measurement of Liquid Carbon Reflectivity in the Extreme Ultraviolet. <i>Photonics</i> , 2020, 7, 35.	0.9	0
8	New Insights into the Charge-Transfer-to-Solvent Spectrum of Aqueous Iodide: Surface versus Bulk. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1656-1661.	2.1	18
9	The liquid state of carbon. <i>Chemical Physics Letters</i> , 2020, 749, 137341.	1.2	9
10	Early time dynamics of laser-ablated silicon using ultrafast grazing incidence X-ray scattering. <i>Chemical Physics Letters</i> , 2019, 736, 136811.	1.2	3
11	Dynamics of Micropollutant Adsorption to Polystyrene Surfaces Probed by Angle-Resolved Second Harmonic Scattering. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14362-14369.	1.5	11
12	Terahertz VRT spectroscopy of the water hexamer-d ₁₂ prism: Dramatic enhancement of bifurcation tunneling upon librational excitation. <i>Journal of Chemical Physics</i> , 2018, 148, .	1.2	9
13	The water dimer II: Theoretical investigations. <i>Chemical Physics Letters</i> , 2018, 700, 163-175.	1.2	82
14	Two-photon absorption of soft X-ray free electron laser radiation by graphite near the carbon K-absorption edge. <i>Chemical Physics Letters</i> , 2018, 703, 112-116.	1.2	9
15	Charge-Transfer-to-Solvent Spectrum of Thiocyanate at the Air/Water Interface Measured by Broadband Deep Ultraviolet Electronic Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4753-4757.	2.1	28
16	Terahertz VRT Spectroscopy of the Water Hexamer-h ₁₂ Cage: Dramatic Libration-Induced Enhancement of Hydrogen Bond Tunneling Dynamics. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7421-7426.	1.1	6
17	Hydrogen bond breaking dynamics in the water pentamer: Terahertz VRT spectroscopy of a 20 cm ⁻¹ libration. <i>Journal of Chemical Physics</i> , 2017, 146, 014306.	1.2	15
18	Surprising Effects of Hydrochloric Acid on the Water Evaporation Coefficient Observed by Raman Thermometry. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4420-4425.	1.5	25

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19	Reversed interfacial fractionation of carbonate and bicarbonate evidenced by X-ray photoemission spectroscopy. <i>Journal of Chemical Physics</i> , 2017, 146, .	1.2	21
20	Mechanism of ion adsorption to aqueous interfaces: Graphene/water vs. air/water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13369-13373.	3.3	84
21	Hydrogen bond network rearrangement dynamics in water clusters: Effects of intermolecular vibrational excitation on tunneling rates. <i>Journal of Chemical Physics</i> , 2017, 147, 064301.	1.2	22
22	Soft X-ray Absorption Spectroscopy of Liquids and Solutions. <i>Chemical Reviews</i> , 2017, 117, 13909-13934.	23.0	103
23	Communication: Hydrogen bonding interactions in water-alcohol mixtures from X-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 144, 191103.	1.2	62
24	Hydrogen and Electric Power Generation from Liquid Microjets: Design Principles for Optimizing Conversion Efficiency. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14513-14521.	1.5	13
25	Broadband Deep UV Spectra of Interfacial Aqueous Iodide. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3882-3885.	2.1	19
26	Structure and torsional dynamics of the water octamer from THz laser spectroscopy near 215 $\hat{1}$ / ₄ m. <i>Science</i> , 2016, 352, 1194-1197.	6.0	82
27	THz QCLs for heterodyne receivers and wavelength modulation spectroscopy. , 2016, , .		0
28	Far-infrared VRT spectroscopy of the water dimer: Characterization of the 20 $\hat{1}$ / ₄ m out-of-plane librational vibration. <i>Journal of Chemical Physics</i> , 2015, 143, 154306.	1.2	28
29	Mid-IR laser action in the H3 Rydberg molecule and some possible astrophysical implications. , 2015, , .		1
30	Properties of aqueous nitrate and nitrite from x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 084503.	1.2	30
31	The water dimer I: Experimental characterization. <i>Chemical Physics Letters</i> , 2015, 633, 13-26.	1.2	124
32	The hydration structure of dissolved carbon dioxide from X-ray absorption spectroscopy. <i>Chemical Physics Letters</i> , 2015, 633, 214-217.	1.2	16
33	A Terahertz VRT spectrometer employing quantum cascade lasers. <i>Chemical Physics Letters</i> , 2015, 638, 144-148.	1.2	7
34	Thermally driven electrokinetic energy conversion with liquid water microjets. <i>Chemical Physics Letters</i> , 2015, 640, 172-174.	1.2	3
35	Electrokinetic detection for X-ray spectra of weakly interacting liquids: n-decane and n-nonane. <i>Journal of Chemical Physics</i> , 2014, 140, 234202.	1.2	7
36	Terahertz spectroscopy of water clusters. , 2014, , .		0

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37	X-Ray absorption spectroscopy of LiBF ₄ in propylene carbonate: a model lithium ion battery electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23568-23575.	1.3	46
38	Terahertz vibration-rotation-tunneling spectroscopy of the propane-water dimer: The ortho-state of a 20 cm ⁻¹ torsion. <i>Chemical Physics Letters</i> , 2014, 612, 167-171.	1.2	5
39	The hydration structure of aqueous carbonic acid from X-ray absorption spectroscopy. <i>Chemical Physics Letters</i> , 2014, 614, 282-286.	1.2	22
40	Investigation of Terahertz Vibration-Rotation Tunneling Spectra for the Water Octamer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6960-6966.	1.1	52
41	Cation-cation contact pairing in water: Guanidinium. <i>Journal of Chemical Physics</i> , 2013, 139, 035104.	1.2	62
42	Evaporation kinetics of aqueous acetic acid droplets: effects of soluble organic aerosol components on the mechanism of water evaporation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11634.	1.3	24
43	Two sides of the acid-base story. <i>Nature Chemistry</i> , 2013, 5, 82-84.	6.6	74
44	Exploring Solid/Aqueous Interfaces with Ultradilute Electrokinetic Analysis of Liquid Microjets. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12702-12706.	1.5	13
45	Elucidating the mechanism of selective ion adsorption to the liquid water surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 701-705.	3.3	202
46	Pinning Down the Water Hexamer. <i>Science</i> , 2012, 336, 814-815.	6.0	63
47	Strong surface adsorption of aqueous sodium nitrite as an ion pair. <i>Chemical Physics Letters</i> , 2012, 519-520, 45-48.	1.2	22
48	Electronic structure of aqueous borohydride: a potential hydrogen storage medium. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17077.	1.3	14
49	Behavior of Î ² -Amyloid 1 ¹⁶ at the Air-Water Interface at Varying pH by Nonlinear Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5873-5880.	1.1	12
50	On the hydration and hydrolysis of carbon dioxide. <i>Chemical Physics Letters</i> , 2011, 514, 187-195.	1.2	119
51	pH-dependent x-ray absorption spectra of aqueous boron oxides. <i>Journal of Chemical Physics</i> , 2011, 134, 154503.	1.2	39
52	Special issue devoted to molecular complexes in our atmosphere and beyond. <i>Molecular Physics</i> , 2010, 108, 2153-2153.	0.8	7
53	Nanowire dye-sensitized solar cells. , 2010, , 75-79.		3
54	Exciton Dynamics in CdS ₂ Nanorods with Tunable Composition Probed by Ultrafast Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5879-5885.	1.5	50

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55	Soft X-ray absorption spectra of aqueous salt solutions with highly charged cations in liquid microjets. <i>Chemical Physics Letters</i> , 2010, 493, 94-96.	1.2	7
56	Communication: Near edge x-ray absorption fine structure spectroscopy of aqueous adenosine triphosphate at the carbon and nitrogen K-edges. <i>Journal of Chemical Physics</i> , 2010, 133, 101103.	1.2	30
57	Investigation of protein conformation and interactions with salts via X-ray absorption spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14008-14013.	3.3	35
58	Importance of Electronic Relaxation for Inter-Coulombic Decay in Aqueous Systems. <i>Physical Review Letters</i> , 2010, 105, 198102.	2.9	21
59	Nuclear quantum effects in the structure and lineshapes of the N2 near-edge x-ray absorption fine structure spectrum. <i>Journal of Chemical Physics</i> , 2010, 132, 094302.	1.2	13
60	An analysis of the NEXAFS spectra of a molecular crystal: β -glycine. <i>Journal of Chemical Physics</i> , 2010, 133, 044507.	1.2	19
61	The structure of ambient water. <i>Molecular Physics</i> , 2010, 108, 1415-1433.	0.8	209
62	Monopeptide versus Mono-peptoid: Insights on Structure and Hydration of Aqueous Alanine and Sarcosine via X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4702-4709.	1.2	13
63	Effect of Surface Active Ions on the Rate of Water Evaporation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11880-11885.	1.5	24
64	Measurement of Bromide Ion Affinities for the Air/Water and Dodecanol/Water Interfaces at Molar Concentrations by UV Second Harmonic Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13746-13751.	1.5	37
65	Adsorption of thiocyanate ions to the dodecanol/water interface characterized by UV second harmonic generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15176-15180.	3.3	61
66	On the evaporation of ammonium sulfate solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18897-18901.	3.3	26
67	On the importance of nuclear quantum motions in near edge x-ray absorption fine structure spectroscopy of molecules. <i>Journal of Chemical Physics</i> , 2009, 130, 184109.	1.2	39
68	On the interfacial and dynamical properties of the hydroxide ion. <i>Chemical Physics Letters</i> , 2009, 481, 1.	1.2	8
69	Hydration of Alkaline Earth Metal Dications: Effects of Metal Ion Size Determined Using Infrared Action Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 13270-13277.	6.6	72
70	Auto-oligomerization and hydration of pyrrole revealed by x-ray absorption spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 131, 114509.	1.2	20
71	Resonant UV SHG Studies of Ion Adsorption at Aqueous Interfaces. , 2009, , .		0
72	Is the liquid water surface basic or acidic? Macroscopic vs. molecular-scale investigations. <i>Chemical Physics Letters</i> , 2008, 458, 255-261.	1.2	192

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73	On the role of molecular clustering on infrared absorption line shapes of acetylene in a supersonic expansion. <i>Chemical Physics Letters</i> , 2008, 463, 345-348.	1.2	15
74	Effects of vibrational motion on core-level spectra of prototype organic molecules. <i>Chemical Physics Letters</i> , 2008, 467, 195-199.	1.2	49
75	Effects of Alkaline Earth Metal Ion Complexation on Amino Acid Zwitterion Stability: Results from Infrared Action Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 6463-6471.	6.6	166
76	Infrared Action Spectra of Ca ²⁺ (H ₂ O) ₁₁ Exhibit Spectral Signatures for Condensed-Phase Structures with Increasing Cluster Size. <i>Journal of the American Chemical Society</i> , 2008, 130, 15482-15489.	6.6	79
77	Reactivity and Infrared Spectroscopy of Gaseous Hydrated Trivalent Metal Ions. <i>Journal of the American Chemical Society</i> , 2008, 130, 9122-9128.	6.6	61
78	Electrokinetic Power Generation from Liquid Water Microjets. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17018-17022.	1.5	58
79	Alkali Metal Ion Binding to Glutamine and Glutamine Derivatives Investigated by Infrared Action Spectroscopy and Theory. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8578-8584.	1.1	60
80	Characterization of selective binding of alkali cations with carboxylate by x-ray absorption spectroscopy of liquid microjets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6809-6812.	3.3	121
81	Revisiting the total ion yield x-ray absorption spectra of liquid water microjets. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 205105.	0.7	33
82	Terahertz vibration-rotation-tunneling spectroscopy of the water tetramer-d ₈ : Combined analysis of vibrational bands at 4.1 and 2.0THz. <i>Journal of Chemical Physics</i> , 2008, 128, 094302.	1.2	14
83	Chirped coherent anti-Stokes Raman scattering as a high-spectral- and spatial-resolution microscopy. <i>Optics Letters</i> , 2007, 32, 2858.	1.7	17
84	Infrared Spectroscopy of Cationized Lysine and μ -N-methyllysine in the Gas Phase: Effects of Alkali-Metal Ion Size and Proton Affinity on Zwitterion Stability. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7753-7760.	1.1	108
85	Infrared Spectroscopy of Cationized Arginine in the Gas Phase: Direct Evidence for the Transition from Nonzwitterionic to Zwitterionic Structure. <i>Journal of the American Chemical Society</i> , 2007, 129, 1612-1622.	6.6	189
86	One Water Molecule Stabilizes the Cationized Arginine Zwitterion. <i>Journal of the American Chemical Society</i> , 2007, 129, 13544-13553.	6.6	109
87	The Effects of Dissolved Halide Anions on Hydrogen Bonding in Liquid Water. <i>Journal of the American Chemical Society</i> , 2007, 129, 13847-13856.	6.6	416
88	Terahertz Vibration~Rotation~Tunneling Spectroscopy of the Ammonia Dimer. II. States of an Out-of-Plane Vibration and an In-Plane Vibration. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9680-9687.	1.1	4
89	Evidence for Water Rings in the Hexahydrated Sulfate Dianion from IR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2007, 129, 2220-2221.	6.6	89
90	Interpreting the H/D Isotope Fractionation of Liquid Water during Evaporation without Condensation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7011-7020.	1.5	30

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91	Electrokinetic Hydrogen Generation from Liquid Water Microjets. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12031-12037.	1.5	42
92	Nature of the Aqueous Hydroxide Ion Probed by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4776-4785.	1.1	63
93	Hydration of the Calcium Dication: Direct Evidence for Second Shell Formation from Infrared Spectroscopy. <i>ChemPhysChem</i> , 2007, 8, 2245-2253.	1.0	85
94	Observation of nitrate ions at the air/water interface by UV-second harmonic generation. <i>Chemical Physics Letters</i> , 2007, 449, 261-265.	1.2	58
95	Tunable nanowire nonlinear optical probe. <i>Nature</i> , 2007, 447, 1098-1101.	13.7	544
96	Evidence for an Enhanced Proton Concentration at the Liquid Water Surface from SHG Spectroscopy. , 2007, , .		0
97	ON THE NATURE OF IONS AT THE LIQUID WATER SURFACE. <i>Annual Review of Physical Chemistry</i> , 2006, 57, 333-364.	4.8	416
98	Probing the Local Structure of Liquid Water by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20038-20045.	1.2	91
99	Effects of Cations on the Hydrogen Bond Network of Liquid Water: A New Results from X-ray Absorption Spectroscopy of Liquid Microjets. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5301-5309.	1.2	119
100	Comment on "Interfacial pH at an Isolated Silica-Water Surface". <i>Journal of Physical Chemistry B</i> , 2006, 110, 15037-15038.	1.2	6
101	Raman Thermometry Measurements of Free Evaporation from Liquid Water Droplets. <i>Journal of the American Chemical Society</i> , 2006, 128, 12892-12898.	6.6	150
102	The Electronic Structure of the Hydrated Proton: A Comparative X-ray Absorption Study of Aqueous HCl and NaCl Solutions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1166-1171.	1.2	44
103	Probing the Interfacial Structure of Aqueous Electrolytes with Femtosecond Second Harmonic Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14060-14073.	1.2	137
104	Terahertz Vibration-Rotation-Tunneling Spectroscopy of the Ammonia Dimer: Characterization of an out of Plane Vibration. <i>Journal of Physical Chemistry A</i> , 2006, 110, 8011-8016.	1.1	6
105	Terahertz vibration-rotation-tunneling (VRT) spectroscopy of the d6-water trimer: Complete characterization of the 2.94THz torsional band ($k_B = \pm 21 \pm 00$). <i>Chemical Physics Letters</i> , 2006, 423, 344-351.	1.2	13
106	Formation of hydrated triply charged metal ions from aqueous solutions using nanodrop mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2006, 253, 256-262.	0.7	55
107	Chirped Coherent Anti-Stokes Raman Scattering for High Spectral Resolution Spectroscopy and Chemically Selective Imaging. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5854-5864.	1.2	47
108	Single-molecule dynamics of phytochrome-bound fluorophores probed by fluorescence correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11136-11141.	3.3	31

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109	Terahertz laser velocity modulation spectroscopy of ions. <i>Journal of Molecular Spectroscopy</i> , 2005, 231, 145-153.	0.4	13
110	Femtosecond Spectroscopy of Carrier Relaxation Dynamics in Type II CdSe/CdTe Tetrapod Heteronanostructures. <i>Nano Letters</i> , 2005, 5, 1809-1813.	4.5	148
111	Nanowire dye-sensitized solar cells. <i>Nature Materials</i> , 2005, 4, 455-459.	13.3	5,232
112	Velocity Modulation Spectroscopy of Ions. <i>ChemInform</i> , 2005, 36, no.	0.1	0
113	Unified description of temperature-dependent hydrogen-bond rearrangements in liquid water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14171-14174.	3.3	369
114	Effects of Alkali Metal Halide Salts on the Hydrogen Bond Network of Liquid Water. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7046-7052.	1.2	159
115	Optical routing and sensing with nanowire assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7800-7805.	3.3	224
116	Velocity Modulation Spectroscopy of Ions. <i>Chemical Reviews</i> , 2005, 105, 3220-3234.	23.0	53
117	Isotope Fractionation of Water during Evaporation without Condensation. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24391-24400.	1.2	49
118	Water Pentamer: Characterization of the Torsional-Puckering Manifold by Terahertz VRT Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6483-6497.	1.1	37
119	Enhanced Concentration of Polarizable Anions at the Liquid Water Surface: SHG Spectroscopy and MD Simulations of Sodium Thiocyanide. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10915-10921.	1.2	175
120	Evidence for an Enhanced Hydronium Concentration at the Liquid Water Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7976-7980.	1.2	226
121	Femtosecond Spectroscopy of Carrier Relaxation Dynamics in Type II CdSe/CdTe Tetrapod Heteronanostructures. <i>Nano Letters</i> , 2005, 5, 2651-2651.	4.5	6
122	Adsorption of Ions to the Surface of Dilute Electrolyte Solutions: The Jones-Ray Effect Revisited. <i>Journal of the American Chemical Society</i> , 2005, 127, 15446-15452.	6.6	125
123	Infrared Cavity Ringdown Spectroscopy of Jet-Cooled Polycyclic Aromatic Hydrocarbons. <i>ChemPhysChem</i> , 2004, 5, 321-326.	1.0	31
124	High spectral resolution multiplex CARS spectroscopy using chirped pulses. <i>Chemical Physics Letters</i> , 2004, 387, 436-441.	1.2	96
125	Direct experimental validation of the Jones-Ray effect. <i>Chemical Physics Letters</i> , 2004, 397, 46-50.	1.2	168
126	Confirmation of enhanced anion concentration at the liquid water surface. <i>Chemical Physics Letters</i> , 2004, 397, 51-55.	1.2	178

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127	Infrared Cavity Ringdown Spectroscopy of Jet-Cooled Nucleotide Base Clusters and Water Complexes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10989-10996.	1.1	44
128	High-spectral-resolution multiplex CARS spectroscopy using chirped pulses. , 2004, , .		1
129	Nanoribbon Waveguides for Subwavelength Photonics Integration. <i>Science</i> , 2004, 305, 1269-1273.	6.0	879
130	Energetics of Hydrogen Bond Network Rearrangements in Liquid Water. <i>Science</i> , 2004, 306, 851-853.	6.0	476
131	Ultrafast Carrier Dynamics in Single ZnO Nanowire and Nanoribbon Lasers. <i>Nano Letters</i> , 2004, 4, 197-204.	4.5	319
132	Optical Cavity Effects in ZnO Nanowire Lasers and Waveguides. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8816-8828.	1.2	602
133	Time-Resolved Second Harmonic Generation Near-Field Scanning Optical Microscopy. <i>ChemPhysChem</i> , 2003, 4, 1243-1247.	1.0	11
134	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays.. <i>ChemInform</i> , 2003, 34, no.	0.1	2
135	The Water Trimer. <i>ChemInform</i> , 2003, 34, no.	0.1	0
136	Low-Temperature Wafer-Scale Production of ZnO Nanowire Arrays. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3031-3034.	7.2	1,562
137	A re-examination of the 4051 Å... band of C3 using cavity ringdown spectroscopy of a supersonic plasma. <i>Chemical Physics Letters</i> , 2003, 374, 583-586.	1.2	21
138	The Water Trimer. <i>Chemical Reviews</i> , 2003, 103, 2533-2578.	23.0	325
139	Intermolecular Coupling in Nanometric Domains of Light-Harvesting Dendrimer Films Studied by Photoluminescence Near-Field Scanning Optical Microscopy (PL NSOM). <i>Journal of the American Chemical Society</i> , 2003, 125, 536-540.	6.6	31
140	CHEMISTRY: Building Solutions—One Molecule at a Time. <i>Science</i> , 2003, 299, 1329-1330.	6.0	44
141	Dendritic Nanowire Ultraviolet Laser Array. <i>Journal of the American Chemical Society</i> , 2003, 125, 4728-4729.	6.6	577
142	Self-Organized GaN Quantum Wire UV Lasers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8721-8725.	1.2	281
143	Water dimer hydrogen bond stretch, donor torsion overtone, and α -in-plane bend vibrations. <i>Journal of Chemical Physics</i> , 2003, 119, 8927-8937.	1.2	76
144	Infrared cavity ringdown spectroscopy of acid water clusters: $\text{HCl}\cdot\text{H}_2\text{O}$, $\text{DCl}\cdot\text{D}_2\text{O}$, and $\text{DCl}\cdot(\text{D}_2\text{O})_2$. <i>Journal of Chemical Physics</i> , 2003, 118, 1221-1229.	1.2	57

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145	Complete characterization of the water dimer vibrational ground state and testing the VRT(ASP-W)III, SAPT-5st, and VRT(MCY-5f) surfaces. <i>Molecular Physics</i> , 2003, 101, 3477-3492.	0.8	59
146	<title>Single nanowire lasers and waveguides</title>. , 2003, 5223, 187.		6
147	Characterization of Domain Ordering in Polymer and Dendrimer Thin Films Using Photoluminescence and Third Harmonic Generation (THG) Near-field Scanning Optical Microscopy (NSOM). <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4799-4803.	0.8	2
148	Poled polymer thin film gratings studied by near-field second harmonic optical microscopy and far-field optical diffraction. , 2003, , .		1
149	An ion beam reflectron/single-photon infrared emission spectrometer for the study of gas-phase polycyclic aromatic hydrocarbon ions: Testing proposed carriers of the unidentified infrared emission bands. <i>Review of Scientific Instruments</i> , 2003, 74, 2488-2494.	0.6	10
150	Determination of a flexible (12D) water dimer potential via direct inversion of spectroscopic data. <i>Journal of Chemical Physics</i> , 2002, 117, 8710-8722.	1.2	129
151	Nanoscale interchain aggregate domain formation in conjugated polymer films studied by third harmonic generation near-field scanning optical microscopy. <i>Journal of Chemical Physics</i> , 2002, 117, 6688-6698.	1.2	43
152	Bifurcation tunneling dynamics in the water trimer. <i>Journal of Chemical Physics</i> , 2002, 117, 8823-8835.	1.2	35
153	High resolution pulsed infrared cavity ringdown spectroscopy: Application to laser ablated carbon clusters. <i>Journal of Chemical Physics</i> , 2002, 116, 6640-6647.	1.2	17
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