Kenta Mizuse

List of Publications by Year
in descending order

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33 papers	975 citations	430874 18 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	852 citing authors

#	Article	IF	Citations
1	Rotational spectroscopy of the argon dimer by time-resolved Coulomb explosion imaging of rotational wave packets. Physical Chemistry Chemical Physics, 2022, 24, 11014-11022.	2.8	5
2	Rotational wave-packet imaging spectroscopy of the ethylene dimer. Chemical Physics Letters, 2022, 803, 139850.	2.6	3
3	Quantum-state reconstruction of unidirectional molecular rotations. Physical Review A, 2021, 103, .	2.5	2
4	Direct imaging of direction-controlled molecular rotational wave packets created by a polarization-skewed double-pulse. Physical Chemistry Chemical Physics, 2020, 22, 10853-10862.	2.8	10
5	Space-slice ion imaging: High slice resolution imaging in the polarization plane of arbitrarily polarized ionizing light. Review of Scientific Instruments, 2019, 90, 103107.	1.3	9
6	Acceleration and Deceleration of Unidirectional Molecular Rotation by a Femtosecond Laser Pulse. Chemistry Letters, 2019, 48, 1371-1374.	1.3	2
7	High-precision Spatiotemporal Imaging of Molecular Rotational Wave Packets. Molecular Science, 2019, 13, A0104.	0.2	0
8	Visualizing rotational wave functions of electronically excited nitric oxide molecules by using an ion imaging technique. Physical Chemistry Chemical Physics, 2018, 20, 3303-3309.	2.8	5
9	Direct Imaging of Laser-driven Ultrafast Molecular Rotation. Journal of Visualized Experiments, 2017, , .	0.3	5
10	Hydrogen-bonded ring closing and opening of protonated methanol clusters H⁺(CH₃OH)_n (n = 4â€“8) with the inert gas tagging. Physical Chemistry Chemical Physics, 2015, 17, 22042-22053.	2.8	23
11	Quantum unidirectional rotation directly imaged with molecules. Science Advances, 2015, 1, e1400185.	10.3	47
12	Infrared spectroscopy of large protonated water clusters H+(H2O)20â€“50 cooled by inert gas attachment. Chemical Physics, 2013, 419, 2-7.	1.9	28
13	Folding of the Hydrogen Bond Network of H+(CH3OH)7 with Rare Gas Tagging. Journal of Physical Chemistry A, 2013, 117, 101-107.	2.5	35
14	Structures of hydrogen bond networks formed by a few tens of methanol molecules in the gas phase: size-selective infrared spectroscopy of neutral and protonated methanol clusters. Physical Chemistry Chemical Physics, 2013, 15, 9523.	2.8	31
15	Infrared spectroscopic studies on hydrogen-bonded water networks in gas phase clusters. International Reviews in Physical Chemistry, 2013, 32, 266-307.	2.3	87
16	Characterization of a Solvent-Separated Ion-Radical Pair in Cationized Water Networks: Infrared Photodissociation and Ar-Attachment Experiments for Water Cluster Radical Cations (H₂O)_n⁺ (n = 3â€“8). Journal of Physical Chemistry A, 2013, 117, 929-938.	2.5	49
17	Infrared Spectroscopy of Water Cluster Radical Cations (H2O) n + Â(nÂâ‰Â11). Springer Theses, 2013, , 137-170.	0.1	0
18	Tuning of the Internal Energy and Isomer Distribution in Protonated Water Clusters H+(H2O) n (nÂâ‰Â50): Towards a More Detailed Understanding of Structures and Dynamics. Springer Theses, 2013, , 87-135.	0.1	0

#	Article	IF	Citations
19	Infrared Spectroscopy of Chromophore-Labeled Water Clusters Phenol-(H2O) n (nÂ<Â~50). Springer Theses, 2013, , 15-50.	0.1	0
20	Infrared Spectroscopy Of Large Protonated Water Clusters H+(H2O) n (nÂâ‰Â221). Springer Theses, 2013, , 51-86.	0.1	0
21	Tuning of the Internal Energy and Isomer Distribution in Small Protonated Water Clusters H⁺(H₂O)_{4â€“8}: An Application of the Inert Gas Messenger Technique. Journal of Physical Chemistry A, 2012, 116, 4868-4877.	2.5	75
22	Infrared photodissociation spectroscopy of H+(H2O)6Â·Mm (M = Ne, Ar, Kr, Xe, H2, N2, and CH4): messenger-dependent balance between H3O+ and H5O2+ core isomers. Physical Chemistry Chemical Physics, 2011, 13, 7129.	2.8	107
23	Spectral Signatures of Four-Coordinated Sites in Water Clusters: Infrared Spectroscopy of Phenolâ^'(H₂O)_n (â^¼20 â‰ n â‰ â^¼50). Journal of Physical Chemistry A, 2011, 115, 620-625.	2.5	50
24	Solvation-Induced Ïƒ-Complex Structure Formation in the Gas Phase: A Revisit to the Infrared Spectroscopy of [C₆H₆â€“(CH₃OH)₂]⁺. Journal of Physical Chemistry A, 2011, 115, 11156-11161.	2.5	7
25	Structural Origin of the Antimagic Number in Protonated Water Clusters H⁺(H₂O)_n: Spectroscopic Observation of the â€œMissingâ€• Water Molecule in the Outermost Hydration Shell. Journal of Physical Chemistry Letters, 2011, 2, 2130-2134.	4.6	28
26	Structural trends of ionized water networks: Infrared spectroscopy of watercluster radical cations (H2O)n+ (n = 3â€“11). Chemical Science, 2011, 2, 868-876.	7.4	80
27	Infrared Spectra and Hydrogenâ€Bonded Network Structures of Large Protonated Water Clusters H⁺(H₂O)_n (n=20â€“200). Angewandte Chemie - International Edition, 2010, 49, 10119-10122.	13.8	93
28	Infrared and Electronic Spectroscopy of Benzeneâ^'Ammonia Cluster Radical Cations [C₆H₆(NH₃)_{1,2}]⁺: Observation of Isolated and Microsolvated Ïƒ-Complexes. Journal of Physical Chemistry A, 2010, 114, 11060-11069.	2.5	19
29	Infrared Spectroscopy of Phenolâ^'(H₂O)_{n>10}: Structural Strains in Hydrogen Bond Networks of Neutral Water Clusters. Journal of Physical Chemistry A, 2009, 113, 12134-12141.	2.5	55
30	Observation of an Isolated Intermediate of the Nucleophilic Aromatic Substition Reaction by Infrared Spectroscopy. Angewandte Chemie - International Edition, 2008, 47, 6008-6010.	13.8	20
31	Compatibility between methanol and water in the three-dimensional cage formation of large-sized protonated methanol-water mixed clusters. Journal of Chemical Physics, 2007, 126, 194306.	3.0	26
32	Long range influence of an excess proton on the architecture of the hydrogen bond network in large-sized water clusters. Journal of Chemical Physics, 2007, 126, 231101.	3.0	46
33	Infrared and Electronic Spectroscopy of a Model System for the Nucleophilic Substitution Intermediate in the Gas Phase:â€‰ The Câ^'N Valence Bond Formation in the Benzeneâ^'Ammonia Cluster Cation. Journal of Physical Chemistry A, 2006, 110, 6387-6390.	2.5	18