

Yung Sam Kim

List of Publications by Year in descending order

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43
papers

2,595
citations

257450

24
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical exchange 2D IR of hydrogen-bond making and breaking. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11185-11190.	7.1	324
2	Two-dimensional IR spectroscopy can be designed to eliminate the diagonal peaks and expose only the crosspeaks needed for structure determination. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11265-11270.	7.1	289
3	Applications of 2D IR Spectroscopy to Peptides, Proteins, and Hydrogen-Bond Dynamics. Journal of Physical Chemistry B, 2009, 113, 8231-8251.	2.6	287
4	Two-Dimensional Infrared Spectroscopy of the Alanine Dipeptide in Aqueous Solution. Journal of Physical Chemistry B, 2005, 109, 7511-7521.	2.6	192
5	Resonant two-photon ionization and laser induced fluorescence spectroscopy of jet-cooled adenine. Journal of Chemical Physics, 2000, 113, 10051-10055.	3.0	159
6	2D IR provides evidence for mobile water molecules in β -amyloid fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17751-17756.	7.1	154
7	Two-Dimensional Infrared Spectroscopy of Isotopomers of an Alanine Rich α -Helix. Journal of Physical Chemistry B, 2004, 108, 10415-10427.	2.6	139
8	Highly Efficient and Stable Inverted Perovskite Solar Cell Obtained via Treatment by Semiconducting Chemical Additive. Advanced Materials, 2019, 31, e1805554.	21.0	134
9	Two-dimensional infrared spectra of isotopically diluted amyloid fibrils from A β 40. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7720-7725.	7.1	132
10	Double Hydrophilic Block Copolymer Templated Au Nanoparticles with Enhanced Catalytic Activity toward Nitroarene Reduction. Journal of Physical Chemistry C, 2013, 117, 11686-11693.	3.1	103
11	Anomalous Fragmentation of Hydrated Clusters of DNA Base Adenine in UV Photoionization. Journal of Physical Chemistry A, 2000, 104, 6552-6557.	2.5	80
12	Dynamics of Amide-I Modes of the Alanine Dipeptide in D ₂ O. Journal of Physical Chemistry B, 2005, 109, 6884-6891.	2.6	65
13	Comparison of Linear and 2D IR Spectra in the Presence of Fast Exchange. Journal of Physical Chemistry B, 2006, 110, 8531-8534.	2.6	50
14	Superprotonic Conductivity of MOF-808 Achieved by Controlling the Binding Mode of Grafted Sulfamate. Angewandte Chemie - International Edition, 2021, 60, 14334-14338.	13.8	50
15	Coupling between C ¹³ D and CO motions using dual-frequency 2D IR photon echo spectroscopy. Chemical Physics Letters, 2006, 432, 122-127.	2.6	37
16	Hydration of DNA base cations in the gas phase. International Journal of Mass Spectrometry, 2002, 219, 11-21.	1.5	36
17	The 2D IR Responses of Amide and Carbonyl Modes in Water Cannot Be Described by Gaussian Frequency Fluctuations. Journal of Physical Chemistry B, 2007, 111, 9697-9701.	2.6	33
18	Two-Dimensional Infrared Spectroscopy Reveals Cosolvent-Composition-Dependent Crossover in Intermolecular Hydrogen-Bond Dynamics. Journal of Physical Chemistry Letters, 2017, 8, 1604-1609.	4.6	32

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19	Frequency Distribution of the Amide-I Vibration Sorted by Residues in Amyloid Fibrils Revealed by 2D-IR Measurements and Simulations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3322-3330.	2.6	31
20	Cosolvent Effects on Solute-Solvent Hydrogen-Bond Dynamics: Ultrafast 2D IR Investigations. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15334-15343.	2.6	31
21	Vibrational dynamics of N-H, C-D, and C=O modes in formamide. <i>Journal of Chemical Physics</i> , 2006, 124, 064508.	3.0	30
22	2D IR photon echo study of the anharmonic coupling in the OCN region of phenyl cyanate. <i>Chemical Physics Letters</i> , 2009, 470, 80-84.	2.6	30
23	Two-Dimensional Infrared Investigation of N-Acetyl Tryptophan Methyl Amide in Solution. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3010-3018.	2.6	29
24	Intrinsic Structural Heterogeneity and Long-Term Maturation of Amyloid β Peptide Fibrils. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1236-1243.	3.5	29
25	Interconverting Hydrogen-Bonding and Weak π - π^* Interactions in Aqueous Solution: A Direct Spectroscopic Evidence. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5425-5429.	4.6	17
26	Tunable Nanoparticle Stability in Concentrated Polymer Solutions On the Basis of the Temperature Dependent Solvent Quality. <i>Macromolecules</i> , 2016, 49, 2307-2317.	4.8	15
27	Even-odd alternation in mass spectrum of thymine and uracil clusters: Evidence of intracluster photodimerization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4841-4843.	7.1	14
28	Temperature dependent CO ₂ behavior in microporous 1-D channels of a metal-organic framework with multiple interaction sites. <i>Scientific Reports</i> , 2017, 7, 41447.	3.3	11
29	Arresting an Unusual Amide Tautomer Using Divalent Cations. <i>Journal of Physical Chemistry B</i> , 2019, 123, 8419-8424.	2.6	11
30	Synthesis of α,β -unsaturated ketones through nickel-catalysed aldehyde-free hydroacylation of alkynes. <i>Communications Chemistry</i> , 2022, 5, .	4.5	8
31	Two-dimensional infrared spectroscopy of dipeptides in trehalose glass. <i>Molecular Physics</i> , 2005, 103, 1547-1553.	1.7	7
32	Phase-Resolved Heterodyne-Detected Transient Grating Enhances the Capabilities of 2D IR Echo Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1007-1011.	2.5	7
33	Intracluster photodimerization of thymine: Size-dependent modes of cluster ion fragmentation. <i>Journal of Chemical Physics</i> , 2001, 115, 7002-7005.	3.0	6
34	Sequence-dependent aggregation-prone conformations of islet amyloid polypeptide. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22532-22542.	2.8	5
35	Synergistic Configuration of Diols as Brønsted Bases. <i>Chemistry - A European Journal</i> , 2017, 23, 17179-17185.	3.3	4
36	Scattering Elimination of Heterodyne-Detected Two-Dimensional Infrared Spectra Using Choppers and Shutters. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10837-10843.	2.5	4

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37	Superprotonic Conductivity of MOF-808 Achieved by Controlling the Binding Mode of Grafted Sulfamate. <i>Angewandte Chemie</i> , 2021, 133, 14455-14459.	2.0	3
38	Observation of kinetic networks of hydrogen-bond exchange using 2D IR echo spectroscopy. <i>Springer Series in Chemical Physics</i> , 2007, , 332-334.	0.2	3
39	Association/Dissociation Dynamics of Ionic Electrolytes in Low Dielectric Medium. <i>Journal of Physical Chemistry B</i> , 2022, 126, 239-248.	2.6	3
40	Reply to "Comment on "Arresting an Unusual Amide Tautomer Using Divalent Cations". <i>Journal of Physical Chemistry B</i> , 2021, 125, 479-483.	2.6	1
41	Frontispiece: Synergistic Configuration of Diols as Brønsted Bases. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
42	Innenrücktitelbild: Superprotonic Conductivity of MOF-808 Achieved by Controlling the Binding Mode of Grafted Sulfamate (<i>Angew. Chem.</i> 26/2021). <i>Angewandte Chemie</i> , 2021, 133, 14839-14839.	2.0	0
43	Observation of kinetic networks of hydrogen-bond exchange using 2D IR echo spectroscopy. , 2006, , .		0