

Jianping Wang

List of Publications by Year in descending order

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154
papers

4,130
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101496

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all docs

154
docs citations

154
times ranked

3798
citing authors

#	ARTICLE	IF	CITATIONS
1	Fibromodulin is involved in autophagy and apoptosis of granulosa cells affecting the follicular atresia in chicken. <i>Poultry Science</i> , 2022, 101, 101524.	1.5	11
2	miR-23b-3p inhibits chicken granulosa cell proliferation and steroid hormone synthesis via targeting GDF9. <i>Theriogenology</i> , 2022, 177, 84-93.	0.9	19
3	Filamin C regulates skeletal muscle atrophy by stabilizing dishevelled-2 to inhibit autophagy and mitophagy. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 147-164.	2.3	8
4	Alleviating effect of dietary supplementation of benzoic acid, <i>Enterococcus faecium</i> and essential oil complex on coccidia and <i>Clostridium perfringens</i> challenge in laying hens. <i>Poultry Science</i> , 2022, 101, 101720.	1.5	6
5	(C ₁₆ H ₂₈ N) ₂ SbCl ₅ : A new lead-free zero-dimensional metal-halide hybrid with bright orange emission. <i>Science China Materials</i> , 2022, 65, 1594-1600.	3.5	53
6	Limits in enhancement factor in near-Brewster angle reflection pump-probe two-dimensional infrared spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2022, 35, 129-142.	0.6	0
7	Pure White Emission with 91.9% Photoluminescence Quantum Yield of [(C ₃ H ₇) ₄ N] ₂ Cu ₂ I ₄ out of Polaronic States and Ultra-High Color Rendering Index. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12395-12403.	4.0	47
8	Dietary resveratrol improved production performance, egg quality, and intestinal health of laying hens under oxidative stress. <i>Poultry Science</i> , 2022, 101, 101886.	1.5	10
9	Conformation and Metal Cation Binding of Zwitterionic Alanine Tripeptide in Saline Solutions by Infrared Vibrational Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2022, 126, 161-173.	1.2	2
10	Highly Efficient Broadband Green Emission of (TPA) ₂ CuCl ₂ Single Crystals: Understanding the Formation of Self-Trapped States. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8545-8552.	1.5	18
11	Effect of benzoic acid on production performance, egg quality, intestinal morphology, and cecal microbial community of laying hens. <i>Poultry Science</i> , 2021, 100, 196-205.	1.5	24
12	Bulk assembly of a 0D organic antimony chloride hybrid with highly efficient orange dual emission by self-trapped states. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12184-12190.	2.7	43
13	Bulk assembly of a 0D organic tin(II) chloride hybrid with high anti-water stability. <i>Chemical Communications</i> , 2021, 57, 8162-8165.	2.2	21
14	Dielectric polarization effect and transient relaxation in FAPbBr ₃ films before and after PMMA passivation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10153-10163.	1.3	14
15	Zearalenone Induces Apoptosis and Cytoprotective Autophagy in Chicken Granulosa Cells by PI3K-AKT-mTOR and MAPK Signaling Pathways. <i>Toxins</i> , 2021, 13, 199.	1.5	30
16	Highly Efficient Cool-White Photoluminescence of (Gua) ₃ Cu ₂ I ₅ Single Crystals: Formation and Optical Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13443-13451.	4.0	63
17	Dietary apple pectic oligosaccharide improves reproductive performance, antioxidant capacity, and ovary function of broiler breeders. <i>Poultry Science</i> , 2021, 100, 100976.	1.5	3
18	Water-Stable Zero-Dimensional (C ₄ H ₉) ₄ NCuCl ₂ Single Crystal with Highly Efficient Broadband Green Emission. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6639-6647.	2.1	53

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19	Effect of 25-Hydroxycholecalciferol with Different Vitamin D3 Levels in the Hens Diet in the Rearing Period on Growth Performance, Bone Quality, Egg Production, and Eggshell Quality. <i>Agriculture (Switzerland)</i> , 2021, 11, 698.	1.4	7
20	Dietary 25-hydroxyvitamin D improves intestinal health and microbiota of laying hens under high stocking density. <i>Poultry Science</i> , 2021, 100, 101132.	1.5	22
21	Organic Selenium Increased Gilts Antioxidant Capacity, Immune Function, and Changed Intestinal Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 723190.	1.5	20
22	Bulk Assembly of Zero-Dimensional Organic Copper Bromide Hybrid with Bright Self-Trapped Exciton Emission and High Antiwater Stability. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20014-20021.	1.5	33
23	Limitation and Potential Effects of Different Levels of Aging Corn on Performance, Antioxidative Capacity, Intestinal Health, and Microbiota in Broiler Chickens. <i>Animals</i> , 2021, 11, 2832.	1.0	2
24	Organic-inorganic hybrid manganese bromine single crystal with dual-band photoluminescence from polaronic and bipolaronic excitons. <i>Nano Energy</i> , 2021, 87, 106166.	8.2	85
25	Serum trimethylamine-N-oxide and gut microbiome alterations are associated with cholesterol deposition in the liver of laying hens fed with rapeseed meal. <i>Animal Nutrition</i> , 2021, 7, 1258-1270.	2.1	6
26	Dietary tributyrin improves reproductive performance, antioxidant capacity, and ovary function of broiler breeders. <i>Poultry Science</i> , 2021, 100, 101429.	1.5	14
27	Identifying genomic regions controlling ratoon stunting disease resistance in sugarcane (<i>Saccharum</i>) Tj ETQq1 1 0.784314 rgBT /Ove	2.3	14
28	Dual self-trapped exciton emission of (TBA) ₂ Cu ₂ I ₄ : optical properties and high anti-water stability. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16014-16021.	2.7	24
29	Ultrafast Structure and Vibrational Dynamics of a Cyano-Containing Non-Fullerene Acceptor for Organic Solar Cells Revealed by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11987-11995.	1.2	2
30	Effect of organic acids on growth performance, intestinal morphology, and immunity of broiler chickens with and without coccidial challenge. <i>AMB Express</i> , 2021, 11, 140.	1.4	23
31	Effects of Dietary Iron on Manganese Utilization in Broilers Fed with Corn-Soybean Meal Diet. <i>Biological Trace Element Research</i> , 2020, 194, 514-524.	1.9	5
32	Dietary administration of resistant starch improved caecal barrier function by enhancing intestinal morphology and modulating microbiota composition in meat duck. <i>British Journal of Nutrition</i> , 2020, 123, 172-181.	1.2	24
33	Ultrafast Intermolecular Vibrational Energy Transfer in Hexahydro-1,3,5-trinitro-1,3,5-triazine in Molecular Crystal by 2D IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2388-2398.	1.5	11
34	Green tea polyphenol epigallocatechin-3-gallate improves the antioxidant capacity of eggs. <i>Food and Function</i> , 2020, 11, 534-543.	2.1	29
35	Proteomic alteration of albumen by dietary vanadium in commercial egg-type layers. <i>Poultry Science</i> , 2020, 99, 1705-1716.	1.5	2
36	Ultrafast Vibrational Energy Transfer through the Covalent Bond and Intra- and Intermolecular Hydrogen Bonds in a Supramolecular Dimer by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 544-555.	1.2	7

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37	Specific and non-specific interactions between metal cations and zwitterionic alanine tripeptide in saline solutions reported by the symmetric carboxylate stretching and amide-II vibrations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25042-25053.	1.3	3
38	Glucose activates the primordial follicle through the AMPK/mTOR signaling pathway. <i>Clinical and Translational Medicine</i> , 2020, 10, e122.	1.7	11
39	Excited-state photophysical processes in a molecular system containing perylene bisimide and zinc porphyrin chromophores. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20891-20900.	1.3	5
40	Dietary supplementation of 25-hydroxycholecalciferol increases tibial mass by suppression bone resorption in meat ducks. <i>Animal Nutrition</i> , 2020, 6, 467-479.	2.1	6
41	Characterization of the Intestinal Microbiota of Broiler Breeders With Different Egg Laying Rate. <i>Frontiers in Veterinary Science</i> , 2020, 7, 599337.	0.9	6
42	Highly Efficient Self-Trapped Exciton Emission of a (MA) ₄ Cu ₂ Br ₆ Single Crystal. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4703-4710.	2.1	138
43	Effect of dietary 25-hydroxycholecalciferol supplementation and high stocking density on performance, egg quality, and tibia quality in laying hens. <i>Poultry Science</i> , 2020, 99, 2608-2615.	1.5	31
44	Tandem mass tag-based quantitative proteomics analysis and gelling properties in egg albumen of laying hens feeding tea polyphenols. <i>Poultry Science</i> , 2020, 99, 430-440.	1.5	10
45	Evolution of the structure and properties of mechanochemically synthesized pyrrolidine incorporated manganese bromide powders. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6488-6495.	2.7	49
46	Fecal bacteria and metabolite responses to dietary lysozyme in a sow model from late gestation until lactation. <i>Scientific Reports</i> , 2020, 10, 3210.	1.6	13
47	Effects of Dietary Iron Concentration on Manganese Utilization in Broilers Fed with Manganese-Lysine Chelate-Supplemented Diet. <i>Biological Trace Element Research</i> , 2020, 198, 231-242.	1.9	4
48	Impact of Dietary Manganese on Intestinal Barrier and Inflammatory Response in Broilers Challenged with <i>Salmonella Typhimurium</i> . <i>Microorganisms</i> , 2020, 8, 757.	1.6	19
49	Direct Observation of Surface Polarons in Capped CuInS ₂ Quantum Dots by Ultrafast Pump-Probe Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5297-5301.	2.1	15
50	Ultrafast Excited-State Intermolecular Proton Transfer in Indigo Oligomer. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6463-6471.	1.1	13
51	Development of an Axiom Sugarcane100K SNP array for genetic map construction and QTL identification. <i>Theoretical and Applied Genetics</i> , 2019, 132, 2829-2845.	1.8	41
52	Alteration of the Antioxidant Capacity and Gut Microbiota under High Levels of Molybdenum and Green Tea Polyphenols in Laying Hens. <i>Antioxidants</i> , 2019, 8, 503.	2.2	27
53	Superstretchable Dynamic Polymer Networks. <i>Advanced Materials</i> , 2019, 31, e1904029.	11.1	75
54	Microbial Mechanistic Insights into the Role of Sweet Potato Vine on Improving Health in Chinese Meishan Gilt Model. <i>Animals</i> , 2019, 9, 632.	1.0	6

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55	Ultrafast intramolecular vibrational energy transfer in carbon nitride hydrocolloid examined by femtosecond two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2019, 150, 194703.	1.2	4
56	The impact of dietary supplementation of different feed additives on performances of broiler breeders characterized by different egg-laying rate. <i>Poultry Science</i> , 2019, 98, 6091-6099.	1.5	20
57	Effect of Sweet Potato Vine on the Onset of Puberty and Follicle Development in Chinese Meishan Gilts. <i>Animals</i> , 2019, 9, 297.	1.0	5
58	Intensified C ¹³ Stretching Vibrator and Its Potential Role in Monitoring Ultrafast Energy Transfer in 2D Carbon Material by Nonlinear Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1402-1410.	2.1	8
59	Heterogeneous ice nucleation correlates with bulk-like interfacial water. <i>Science Advances</i> , 2019, 5, eaat9825.	4.7	60
60	Effects of commercial premix vitamin level on sternum growth, calcification and carcass traits in meat duck. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 53-63.	1.0	6
61	Dietary phosphorus deficiency impaired growth, intestinal digestion and absorption function of meat ducks. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1897-1906.	2.4	7
62	Methylation Mediated Anharmonic Vibrational Signature of Nucleobases: A Case Study of Uracil and Thymine. <i>ChemistrySelect</i> , 2018, 3, 4374-4381.	0.7	2
63	Efficient Intramolecular Vibrational Excitonic Energy Transfer in Ru ₃ (CO) ₁₂ Cluster Revealed by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1296-1305.	1.2	15
64	Direct Anionic Effect on Water Structure and Indirect Anionic Effect on Peptide Backbone Hydration State Revealed by Thin-Layer Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 68-76.	1.2	8
65	Central-metal effect on intramolecular vibrational energy transfer of M(CO) ₅ Br (M = Mn, Tj ETQq1 1 0.784314 rgBT /Over 3637-3647.	1.3	10
66	Solvent-dependent structural dynamics of an azido-platinum complex revealed by linear and nonlinear infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9984-9996.	1.3	8
67	Innovative method for creating fitted brassiere wire prototype based on transformation matrix algorithm. <i>Journal of the Textile Institute</i> , 2018, 109, 73-78.	1.0	5
68	Effect of graded calcium supplementation in low-nutrient density feed on tibia composition and bone turnover in meat ducks. <i>British Journal of Nutrition</i> , 2018, 120, 1217-1229.	1.2	11
69	Linear and Nonlinear Infrared Spectroscopies Reveal Detailed Solute-Solvent Dynamic Interactions of a Nitrosyl Ruthenium Complex in Solution. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9225-9235.	1.2	7
70	Development and Applications of a High Throughput Genotyping Tool for Polyploid Crops: Single Nucleotide Polymorphism (SNP) Array. <i>Frontiers in Plant Science</i> , 2018, 9, 104.	1.7	89
71	Micellar and bicontinuous microemulsion structures show different solute-solvent interactions: a case study using ultrafast nonlinear infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19938-19949.	1.3	12
72	Integrated omics data of two annual ryegrass (<i>Lolium multiflorum</i> L.) genotypes reveals core metabolic processes under drought stress. <i>BMC Plant Biology</i> , 2018, 18, 26.	1.6	30

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73	EST-SSR marker characterization based on RNA-sequencing of <i>Lolium multiflorum</i> and cross transferability to related species. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	15
74	Construction of a prediction model for body dimensions used in garment pattern making based on anthropometric data learning. <i>Journal of the Textile Institute</i> , 2017, 108, 2107-2114.	1.0	40
75	Target enrichment sequencing in cultivated peanut (<i>Arachis hypogaea</i> L.) using probes designed from transcript sequences. <i>Molecular Genetics and Genomics</i> , 2017, 292, 955-965.	1.0	17
76	Ultrafast two-dimensional infrared spectroscopy for molecular structures and dynamics with expanding wavelength range and increasing sensitivities: from experimental and computational perspectives. <i>International Reviews in Physical Chemistry</i> , 2017, 36, 377-431.	0.9	32
77	A novel method for determining skin deformation of lower limb in cycling. <i>Journal of the Textile Institute</i> , 2017, 108, 1600-1608.	1.0	9
78	Vanadate oxidative and apoptotic effects are mediated by the MAPK-Nrf2 pathway in layer oviduct magnum epithelial cells. <i>Metallomics</i> , 2017, 9, 1562-1575.	1.0	37
79	Efficient Vibrational Energy Transfer through Covalent Bond in Indigo Carmine Revealed by Nonlinear IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9411-9421.	1.2	19
80	Vibrational Characterization of Two-Dimensional Graphdiyne Sheets. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21430-21438.	1.5	16
81	Capturing the photo-signaling state of a photoreceptor in a steady-state fashion by binding a transition metal complex. <i>Protein Science</i> , 2017, 26, 2249-2256.	3.1	0
82	Mining sequence variations in representative polyploid sugarcane germplasm accessions. <i>BMC Genomics</i> , 2017, 18, 594.	1.2	46
83	Different Types of Dietary Fibers Trigger Specific Alterations in Composition and Predicted Functions of Colonic Bacterial Communities in BALB/c Mice. <i>Frontiers in Microbiology</i> , 2017, 8, 966.	1.5	47
84	Comparative proteomic analyses reveal the proteome response to short-term drought in Italian ryegrass (<i>Lolium multiflorum</i>). <i>PLoS ONE</i> , 2017, 12, e0184289.	1.1	13
85	Transcriptional Profiles of Drought-Related Genes in Modulating Metabolic Processes and Antioxidant Defenses in <i>Lolium multiflorum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 519.	1.7	81
86	Natural Allelic Variations in Highly Polyploidy <i>Saccharum</i> Complex. <i>Frontiers in Plant Science</i> , 2016, 7, 804.	1.7	40
87	Differentiating Two Nitrosylruthenium Isomeric Complexes by Steady-State and Ultrafast Infrared Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11502-11509.	1.2	4
88	Effects of dietary nanocrystalline cellulose supplementation on growth performance, carcass traits, intestinal development and lipid metabolism of meat ducks. <i>Animal Nutrition</i> , 2016, 2, 192-197.	2.1	7
89	Uncovering the Sensitivity of Amide-II Vibration to Peptide-Ion Interactions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9590-9598.	1.2	20
90	Structural dynamics of nitrosylruthenium isomeric complexes studied with steady-state and transient pump-probe infrared spectroscopies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 166, 62-67.	2.0	1

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91	Two-Dimensional Infrared Study of ¹³ C-Natural Abundant Vibrational Transition Reveals Intramolecular Vibrational Redistribution Rather than Fluxional Exchange in Mn(CO) ₅ Br. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1304-1311.	1.2	17
92	General Applicable Frequency Map for the Amide-I Mode in $\hat{\nu}^2$ -Peptides. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1069-1079.	1.2	16
93	Molecular marker development from transcript sequences and germplasm evaluation for cultivated peanut (<i>Arachis hypogaea</i> L.). <i>Molecular Genetics and Genomics</i> , 2016, 291, 363-381.	1.0	21
94	Structural dynamics of N-ethylpropionamide clusters examined by nonlinear infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 185102.	1.2	4
95	Ultrafast vibrational and structural dynamics of dimeric cyclopentadienyliron dicarbonyl examined by infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14542-14550.	1.3	13
96	Selectively Probing the Structures and Dynamics of $\hat{\nu}^2$ -Peptide Aggregates Using the Amide-A Vibrational Marker. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15451-15459.	1.2	6
97	Understanding the Amide-II Vibrations in $\hat{\nu}^2$ -Peptides. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14831-14839.	1.2	28
98	Dissecting Amide-I Vibration in $\hat{\nu}^2$ -Peptide Helices. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3387-3397.	1.2	14
99	Structure and Dynamics of Ferrocyanide and Ferricyanide Anions in Water and Heavy Water: An Insight by MD Simulations and 2D IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14899-14912.	1.2	59
100	Conjugated Carbon Radicals at Graphene Oxide to Initiate Ultrastrong Chemiluminescence. <i>Angewandte Chemie</i> , 2014, 126, 10273-10277.	1.6	9
101	Photoisomerization and structural dynamics of two nitrosylruthenium complexes: a joint study by NMR and nonlinear IR spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24045-24054.	1.3	11
102	Interaction between Metal Cation and Unnatural Peptide Backbone Mediated by Polarized Water Molecules: Study of Infrared Spectroscopy and Computations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12336-12347.	1.2	19
103	Hydration Dynamics of Cyanoferrate Anions Examined by Ultrafast Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3104-3114.	1.2	44
104	Amide-I Characteristics of Helical $\hat{\nu}^2$ -Peptides by Linear Infrared Measurement and Computations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 94-106.	1.2	21
105	Simultaneously Probing Two Ultrafast Condensed-Phase Molecular Symmetry Breaking Events by Two-Dimensional Infrared Spectroscopy. <i>ChemPhysChem</i> , 2013, 14, 2497-2504.	1.0	11
106	Structural Dynamics of N-Propionyl-D-glucosamine Probed by Infrared Spectroscopies and Ab Initio Computations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6105-6115.	1.1	10
107	Chain-length and mode-delocalization dependent amide-I anharmonicity in peptide oligomers. <i>Journal of Chemical Physics</i> , 2012, 136, 214112.	1.2	17
108	Correlated High-Frequency Molecular Motions in Neat Liquid Probed with Ultrafast Overtone Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3665-3670.	2.1	23

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109	Spectroscopic Evidence for Polymorphic Aggregates Formed by Amyloid β Fragments. <i>ChemPhysChem</i> , 2012, 13, 3901-3908.	1.0	14
110	Influence of an Unnatural Amino Acid Side Chain on the Conformational Dynamics of Peptides. <i>ChemPhysChem</i> , 2012, 13, 1522-1534.	1.0	10
111	Dynamical Structures of Glycol and Ethanedithiol Examined by Infrared Spectroscopy, Ab Initio Computation, and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1175-1187.	1.2	8
112	Anharmonic overtone and combination states of glycine and two model peptides examined by vibrational self-consistent field theory. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2001-2013.	1.3	13
113	Anharmonic vibrations of nucleobases: Structural basis of one- and two-dimensional infrared spectra for canonical and mismatched base pairs. <i>Science China Chemistry</i> , 2011, 54, 1590-1606.	4.2	3
114	Amide Vibrations and Their Conformational Dependences in β -Peptide. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16011-16019.	1.2	11
115	Non-Native Side Chain IR Probe in Peptides: Ab Initio Computation and 1D and 2D IR Spectral Simulation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2327-2336.	1.2	14
116	Arene Control over Thiolate to Sulfinate Oxidation in Albumin by Organometallic Ruthenium Anticancer Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 6586-6594.	1.7	77
117	Ultrafast Structural Dynamics of Biomolecules Examined by Multiple-Mode 2D IR Spectroscopy: Anharmonically Coupled Motions are in Harmony. <i>ChemPhysChem</i> , 2009, 10, 2242-2250.	1.0	9
118	Conformational dependence of anharmonic NH stretch vibration in peptides. <i>Chemical Physics Letters</i> , 2009, 467, 375-380.	1.2	6
119	Structurally Sensitive Anharmonic C-H Stretch Vibration in Deuterated Peptides. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1813-1816.	1.2	7
120	Rapid Thermal Tuning of Chromophore Structure in Membrane Protein. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4184-4186.	1.2	1
121	Multiple Anharmonic Vibrational Probes of Sugar Structure and Dynamics. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1681-1692.	1.2	11
122	Differentiating Subtle Variation of Weak Intramolecular Hydrogen Bond in Vicinal Diols by Linear Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6070-6076.	1.1	18
123	Assessment of the amide-I local modes in β - and β -turns of peptides. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5310.	1.3	28
124	Molecular mechanics force field-based map for peptide amide-I mode in solution and its application to alanine di- and tripeptides. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9149.	1.3	34
125	Influence of Solvent Polarity and Hydrogen Bonding on the Electronic Transition of Coumarin 120: A TDDFT Study. <i>ChemPhysChem</i> , 2008, 9, 1593-1602.	1.0	42
126	Two-Dimensional Infrared Spectroscopy as a Probe of the Solvent Electrostatic Field for a Twelve Residue Peptide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5930-5937.	1.2	53

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127	Conformational Dependence of Anharmonic Vibrations in Peptides: Amide-I Modes in Model Dipeptide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4790-4800.	1.2	36
128	Ab Initio-Based All-Mode Two-Dimensional Infrared Spectroscopy of a Sugar Molecule. <i>Journal of Physical Chemistry B</i> , 2007, 111, 9193-9196.	1.2	25
129	Photocurrent from Oriented Membrane Films Containing Acid-blue and Acid-purple Bacteriorhodopsin and its Mutants. <i>Photochemistry and Photobiology</i> , 2007, 71, 476-480.	1.3	0
130	The Effect of Metal Cation Binding on the Protein, Lipid and Retinal Isomeric Ratio in Regenerated Bacteriorhodopsin of Purple Membrane. <i>Photochemistry and Photobiology</i> , 2007, 73, 564-571.	1.3	0
131	Two-Dimensional Infrared Spectroscopy Displays Signatures of Structural Ordering in Peptide Aggregates. <i>Biophysical Journal</i> , 2006, 90, 4672-4685.	0.2	35
132	Local Structure of β -Hairpin Isotopomers by FTIR, 2D IR, and Ab Initio Theory. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7545-7555.	1.2	119
133	Anharmonicity of Amide Modes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3798-3807.	1.2	91
134	Coupling between C=O and CO motions using dual-frequency 2D IR photon echo spectroscopy. <i>Chemical Physics Letters</i> , 2006, 432, 122-127.	1.2	37
135	Two-Dimensional Infrared Spectroscopy of the Alanine Dipeptide in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7511-7521.	1.2	192
136	Characteristics of the two-dimensional infrared spectroscopy of helices from approximate simulations and analytic models. <i>Chemical Physics</i> , 2004, 297, 195-219.	0.9	91
137	Vibrational Coupling, Isotopic Editing, and β -Sheet Structure in a Membrane-Bound Polypeptide. <i>Journal of the American Chemical Society</i> , 2004, 126, 5843-5850.	6.6	111
138	The Assignment of the Different Infrared Continuum Absorbance Changes Observed in the 3000-1800-cm ⁻¹ Region during the Bacteriorhodopsin Photocycle. <i>Biophysical Journal</i> , 2004, 87, 2676-2682.	0.2	51
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