

# Christopher D Thompson

## List of Publications by Year in descending order

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65  
papers

969  
citations

471509

17  
h-index

552781

26  
g-index

67  
all docs

67  
docs citations

67  
times ranked

848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forms of capital and agency as mediations in negotiating employability of international graduate migrants. <i>Globalisation, Societies and Education</i> , 2019, 17, 394-405.	2.6	49
2	Water ice nanoparticles: size and temperature effects on the mid-infrared spectrum. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3630.	2.8	45
3	Infrared spectra of the Li+ <sup>n</sup> (H <sub>2</sub> ) <sub>n</sub> (n=1-3) cation complexes. <i>Journal of Chemical Physics</i> , 2007, 126, 204309.	3.0	39
4	SIZE AND TEMPERATURE DEPENDENCE IN THE FAR-IR SPECTRA OF WATER ICE PARTICLES. <i>Astrophysical Journal</i> , 2012, 758, 17.	4.5	37
5	Undergraduate recognition of curriculum-related skill development and the skills employers are seeking. <i>Chemistry Education Research and Practice</i> , 2019, 20, 68-84.	2.5	37
6	Gender differences in the Australian undergraduate STEM student experience: a systematic review. <i>Higher Education Research and Development</i> , 2020, 39, 1155-1168.	2.9	33
7	Rotationally resolved infrared spectrum of the Li+ <sup>n</sup> D <sub>2</sub> cation complex. <i>Journal of Chemical Physics</i> , 2006, 125, 044310.	3.0	32
8	Academics' perspectives of the teaching and development of generic employability skills in science curricula. <i>Higher Education Research and Development</i> , 2020, 39, 346-361.	2.9	32
9	The Al+ <sup>n</sup> H <sub>2</sub> cation complex: Rotationally resolved infrared spectrum, potential energy surface, and rovibrational calculations. <i>Journal of Chemical Physics</i> , 2007, 127, 164310.	3.0	31
10	The COVID Cohort: Student Transition to University in the Face of a Global Pandemic. <i>Journal of Chemical Education</i> , 2020, 97, 3381-3385.	2.3	31
11	Diagnosis of the Redox Levels of TCNQF <sub>4</sub> Compounds Using Vibrational Spectroscopy. <i>ChemPlusChem</i> , 2014, 79, 962-972.	2.8	29
12	"What do you think the aims of doing a practical chemistry course are?" A comparison of the views of students and teaching staff across three universities. <i>Chemistry Education Research and Practice</i> , 2018, 19, 463-473.	2.5	27
13	THE FAR-INFRARED ROTATIONAL SPECTRUM OF ETHYLENE OXIDE. <i>Astrophysical Journal</i> , 2012, 753, 18.	4.5	25
14	Overview of High-Resolution Infrared Measurement and Analysis for Atmospheric Monitoring of Halocarbons. <i>Analytical Chemistry</i> , 2010, 82, 7958-7964.	6.5	24
15	Infrared spectra of mass-selected Al+ <sup>n</sup> (CH <sub>4</sub> ) <sub>n</sub> n=1-6 clusters. <i>Chemical Physics</i> , 2008, 346, 176-181.	1.9	21
16	Beyond graduation: motivations and career aspirations of undergraduate chemistry students. <i>Chemistry Education Research and Practice</i> , 2017, 18, 457-471.	2.5	21
17	Inquiry and industry inspired laboratories: the impact on students' perceptions of skill development and engagements. <i>Chemistry Education Research and Practice</i> , 2018, 19, 583-596.	2.5	20
18	Gastrointestinal Manifestations and Associated Health Outcomes of COVID-19: A Brazilian Experience From the Largest South American Public Hospital. <i>Clinics</i> , 2020, 75, e2271.	1.5	19

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19	Reading between the lines: Exposing underlying features of high resolution infrared spectra (CHClF <sub>2</sub> ). <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1996.	2.8	18
20	High-resolution FTIR spectroscopy of the $\hat{1}/2$ and Coriolis perturbation allowed $\hat{1}/2$ bands of ketenimine. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6793-6798.	2.8	18
21	Evaluation of diagnostic tools that tertiary teachers can apply to profile their students'™ conceptions. <i>International Journal of Science Education</i> , 2017, 39, 565-586.	1.9	17
22	High-resolution FTIR spectroscopy of chlorodifluoromethane: $\hat{1}/2$ and $\hat{1}/2$ . <i>Chemical Physics</i> , 2002, 279, 239-248.	1.9	15
23	High resolution FTIR spectroscopy of 1,1,1,2-tetrafluoroethane. <i>Journal of Molecular Spectroscopy</i> , 2003, 218, 48-52.	1.2	15
24	Completing the picture in the rovibrational analysis of chlorodifluoromethane (CHClF <sub>2</sub> ): $\hat{1}/2$ and $\hat{1}/2$ . <i>Molecular Physics</i> , 2004, 102, 1687-1695.	1.7	15
25	High-resolution Fourier-transform infrared spectroscopy of the Coriolis coupled ground state and $\hat{1}/2$ mode of ketenimine. <i>Journal of Chemical Physics</i> , 2011, 134, 234306.	3.0	15
26	High-resolution Fourier-transform infrared spectroscopy of the $\hat{1}/2$ and Coriolis perturbation allowed $\hat{1}/2$ modes of ketenimine. <i>Journal of Chemical Physics</i> , 2011, 135, 224306.	3.0	14
27	Anion Rearrangements of Alkali Metal Complexes of the Chiral Amine (<i>S</i>)-<i>N</i>- $\hat{1}/2$ -(Methylbenzyl)phenylallylamine: Structural and Solution Insights. <i>Organometallics</i> , 2012, 31, 8135-8144.	2.3	14
28	Development and validation of an instrument to measure undergraduate chemistry students'™ critical thinking skills. <i>Chemistry Education Research and Practice</i> , 2020, 21, 62-78.	2.5	14
29	Infrared spectra of Cl <sup>-</sup> (C <sub>6</sub> H <sub>6</sub> ) <sub>m</sub> = 1, 2. <i>Chemical Physics Letters</i> , 2006, 428, 18-22.	2.6	13
30	Alkali-Metal-Induced C=C Bond Cleavage and CH <sub>4</sub> Elimination in the Amido $\hat{1}/2$ Aza-Allyl Transformation of the (<i>S</i>)- $\hat{1}/2$ -(Methylbenzyl)benzylamido Anion. <i>Organometallics</i> , 2013, 32, 7509-7519.	2.3	13
31	Investigating student and staff perceptions of students' experiences in teaching laboratories through the lens of meaningful learning. <i>Chemistry Education Research and Practice</i> , 2019, 20, 187-196.	2.5	12
32	High resolution synchrotron FTIR spectroscopy of the far infrared $\hat{1}/2$ and $\hat{1}/2$ bands of R152a (CH <sub>3</sub> CHF <sub>2</sub> ). <i>Chemical Physics Letters</i> , 2008, 465, 203-206.	2.6	11
33	Synchrotron far infrared spectroscopy of the ground, $\hat{1}/2$ , and $\hat{1}/2$ states of thiirane. <i>Journal of Chemical Physics</i> , 2012, 137, 084306.	3.0	11
34	Inquiry-, problem-, context- and industry- based laboratories: an investigation into the impact of large-scale, longitudinal redevelopment on student perceptions of teaching laboratories. <i>International Journal of Science Education</i> , 2020, 42, 451-468.	1.9	11
35	Tetrafluoroethylene: high resolution FTIR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4849-4854.	2.8	10
36	Decongestion of high-resolution FTIR-spectra and assignment of CHF <sub>2</sub> CF <sub>3</sub> . <i>Vibrational Spectroscopy</i> , 2004, 36, 123-128.	2.2	10

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37	Infrared spectroscopy of ozone and hydrogen chloride aerosols. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7848.	2.8	10
38	IR spectroscopy of physical and chemical transformations in cold hydrogen chloride and ammonia aerosols. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7853.	2.8	10
39	Structural, vibrational, and rovibrational analysis of tetrafluoroethylene. <i>Journal of Chemical Physics</i> , 2012, 137, 214301.	3.0	10
40	Using formative feedback to identify and support first-year chemistry students with missing or misconceptions. A Practice Report. <i>The International Journal of the First Year in Higher Education</i> , 2013, 4, .	0.5	10
41	Interplanar torsion in the S <sub>1</sub> electronic spectrum of jet cooled 1-phenylimidazole. <i>Journal of Chemical Physics</i> , 2004, 121, 12421.	3.0	9
42	Interactions between the Chloride Anion and Aromatic Molecules: Infrared Spectra of the Cl <sup>-</sup> ·C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> , Cl <sup>-</sup> ·C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> and Cl <sup>-</sup> ·C <sub>6</sub> H <sub>5</sub> OH Complexes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7322-7328.	2.5	9
43	A Spectroscopic Study of Nicotine Analogue 2-Phenylpyrrolidine (PPD) Using Resonant Two-Photon Ionization (R2PI), Microwave, and 2D NMR Techniques. <i>Journal of the American Chemical Society</i> , 2009, 131, 2638-2646.	13.7	9
44	They help us realise what we're actually gaining: The impact on undergraduates and teaching staff of displaying transferable skills badges. <i>Active Learning in Higher Education</i> , 2022, 23, 17-34.	5.4	9
45	Resonant 2-photon ionization study of the conformation and the binding of water molecules to 2-phenylethanethiol (PhCH <sub>2</sub> CH <sub>2</sub> SH). <i>Journal of Chemical Physics</i> , 2008, 128, 164301.	3.0	8
46	Optical and vibrational properties of 1,2-benzenedicarboxylic anhydride. <i>Journal of Molecular Modeling</i> , 2009, 15, 1119-1124.	1.8	8
47	Evaluating the impact of reflecting on curriculum-embedded skill development: the experience of science undergraduates. <i>Higher Education Research and Development</i> , 2020, 39, 672-688.	2.9	8
48	Infrared spectra of the Cl <sup>-</sup> ·C <sub>2</sub> H <sub>4</sub> and Br <sup>-</sup> ·C <sub>2</sub> H <sub>4</sub> anion dimers. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3419.	2.8	7
49	Simplifying metal-ate chemistry: formation and comprehensive characterisation of a homo-metallic amido lithiate complex. <i>Dalton Transactions</i> , 2016, 45, 10887-10890.	3.3	7
50	95% of the time things have been okay: the experience of undergraduate students in science disciplines with higher female representation. <i>International Journal of Science Education</i> , 2020, 42, 1430-1446.	1.9	7
51	High resolution FTIR spectroscopy of pentafluoroethane: perturbations in the Coriolis doublet of $\hat{\nu}_{24}$ and $\hat{\nu}_{213}$ . <i>Journal of Molecular Spectroscopy</i> , 2005, 230, 133-138.	1.2	6
52	A Synthetic and Computational Investigation into the Direct Synthesis of $\beta$ -Hydroxymethylated Enones from $\beta$ -Keto Phosphonates. <i>Australian Journal of Chemistry</i> , 2009, 62, 720.	0.9	5
53	High resolution far infrared spectroscopy of HFC-134a using a collisional cooling cell adapted to a synchrotron source. <i>Chemical Physics Letters</i> , 2015, 634, 225-229.	2.6	4
54	Active space and basis set effects in CASPT <sub>2</sub> models of the 1,3-butadiene ethene cycloaddition and the 1,3-butadiene dimerization. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 989-1001.	2.0	4

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55	The transition to first year chemistry: student, secondary and tertiary educator's perceptions of student preparedness. <i>Chemistry Education Research and Practice</i> , 2021, 22, 923-947.	2.5	4
56	“I don’t Study Physics Anymore”: a Cross-Institutional Australian Study on Factors Impacting the Persistence of Undergraduate Science Students. <i>Research in Science Education</i> , 2022, 52, 1565-1581.	2.3	4
57	“Every little thing that could possibly be provided helps” analysis of online first-year chemistry resources using the universal design for learning framework. <i>Chemistry Education Research and Practice</i> , 2022, 23, 385-407.	2.5	4
58	High resolution FTIR spectroscopy of the $\hat{\nu}_{21}$ band of NSCl. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 483-486.	2.8	3
59	Ro-vibrational analysis of the $\hat{\nu}_{29}$ and $\hat{\nu}_{16}$ bands of R152a. <i>Journal of Molecular Spectroscopy</i> , 2008, 251, 256-260.	1.2	3
60	Curtailling marking variation and enhancing feedback in large scale undergraduate chemistry courses through reducing academic judgement: a case study. <i>Assessment and Evaluation in Higher Education</i> , 2019, 44, 881-893.	5.6	3
61	Structure determination of sec-butylbenzene rotamers by UV spectroscopy and ab initio calculations. <i>Chemical Physics Letters</i> , 2008, 463, 29-32.	2.6	2
62	High-resolution FTIR spectroscopy of the $\hat{\nu}_{7}$ and $\hat{\nu}_{8}$ bands of 1-phosphapropyne. <i>Journal of Molecular Spectroscopy</i> , 2012, 275, 9-14.	1.2	2
63	Synchrotron far-infrared spectroscopy of the two lowest fundamental modes of 1,1-difluoroethane. <i>Molecular Physics</i> , 2013, 111, 2198-2203.	1.7	2
64	Synthesis, Structure, and Solution Studies of Lithiated Allylic Phosphines and Phosphine Oxides. <i>Organometallics</i> , 2020, 39, 2080-2090.	2.3	2
65	Implementing blended first-year chemistry in a developing country using online resources. <i>Online Learning Journal</i> , 2022, 26, .	1.8	2