

# Matthew S Johnson

## List of Publications by Year in descending order

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133  
papers

3,926  
citations

117625

34  
h-index

155660

55  
g-index

151  
all docs

151  
docs citations

151  
times ranked

4554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodegradation of pharmaceuticals and personal care products in water treatment using carbonaceous-TiO <sub>2</sub> composites: A critical review of recent literature. <i>Water Research</i> , 2018, 142, 26-45.	11.3	299
2	Geological sulfur isotopes indicate elevated OCS in the Archean atmosphere, solving faint young sun paradox. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14784-14789.	7.1	136
3	DRIFTS and Knudsen cell study of the heterogeneous reactivity of SO <sub>2</sub> and NO <sub>2</sub> on mineral dust. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 2043-2051.	4.9	133
4	Vibrational spectrum of $\nu^{\sim}(\text{H}_2\text{O})$ . <i>Chemical Physics Letters</i> , 1996, 260, 551-557.	2.6	109
5	The fate of mercury in Arctic terrestrial and aquatic ecosystems, a review. <i>Environmental Chemistry</i> , 2012, 9, 321.	1.5	106
6	Modeling the degradation and disinfection of water pollutants by photocatalysts and composites: A critical review. <i>Science of the Total Environment</i> , 2020, 698, 134197.	8.0	105
7	High-precision spectroscopy of <sup>32</sup> S, <sup>33</sup> S, and <sup>34</sup> S sulfur dioxide: Ultraviolet absorption cross sections and isotope effects. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	101
8	Active and widespread halogen chemistry in the tropical and subtropical free troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9281-9286.	7.1	91
9	Airborne environmental DNA for terrestrial vertebrate community monitoring. <i>Current Biology</i> , 2022, 32, 701-707.e5.	3.9	91
10	Global Concentrations of Gaseous Elemental Mercury and Reactive Gaseous Mercury in the Marine Boundary Layer. <i>Environmental Science &amp; Technology</i> , 2010, 44, 7425-7430.	10.0	87
11	Vibrational spectroscopy of NO+(H <sub>2</sub> O) <sub>n</sub> : Evidence for the intracluster reaction NO+(H <sub>2</sub> O) <sub>n</sub> †H <sub>3</sub> O+(H <sub>2</sub> O) <sub>n</sub> ~2 (HONO) at n%¥4. <i>Journal of Chemical Physics</i> , 1994, 100, 7153-7165.	3.0	76
12	On the performance of quantum chemical methods to predict solvatochromic effects: The case of acrolein in aqueous solution. <i>Journal of Chemical Physics</i> , 2008, 128, 194503.	3.0	76
13	Carbon dioxide photolysis from 150 to 210 nm: Singlet and triplet channel dynamics, UV-spectrum, and isotope effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17691-17696.	7.1	73
14	Photolysis of Nitrous Oxide Isotopomers Studied by Time-Dependent Hermite Propagation. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8672-8680.	2.5	71
15	Isotopic processes in atmospheric chemistry. <i>Chemical Society Reviews</i> , 2002, 31, 313-323.	38.1	67
16	What can we learn from N <sub>2</sub> O isotope data? â€“ Analytics, processes and modelling. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8858.	1.5	67
17	Global modeling of the isotopic analogues of N <sub>2</sub> O: Stratospheric distributions, budgets, and the <sup>17</sup> Oâ€“ <sup>18</sup> O mass-independent anomaly. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	61
18	Laboratory Comparison of Low-Cost Particulate Matter Sensors to Measure Transient Events of Pollution. <i>Sensors</i> , 2020, 20, 2219.	3.8	58

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19	Laboratory study of nitrate photolysis in Antarctic snow. II. Isotopic effects and wavelength dependence. <i>Journal of Chemical Physics</i> , 2014, 140, 244306.	3.0	57
20	Analysis of the Ultraviolet Absorption Cross Sections of Six Isotopically Substituted Nitrous Oxide Species Using 3D Wave Packet Propagation. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8905-8913.	2.5	56
21	Laboratory study of nitrate photolysis in Antarctic snow. I. Observed quantum yield, domain of photolysis, and secondary chemistry. <i>Journal of Chemical Physics</i> , 2014, 140, 244305.	3.0	51
22	Filtration efficiency of an electrostatic fibrous filter: Studying filtration dependency on ultrafine particle exposure and composition. <i>Journal of Aerosol Science</i> , 2014, 72, 14-20.	3.8	51
23	UV and IR Absorption Cross-sections of HCHO, HCDO, and DCDO. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11506-11513.	2.5	50
24	SO <sub>2</sub> photoexcitation mechanism links mass-independent sulfur isotopic fractionation in cryospheric sulfate to climate impacting volcanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17656-17661.	7.1	50
25	The <sup>13</sup> C and D kinetic isotope effects in the reaction of CH <sub>4</sub> with Cl. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 110-118.	1.6	49
26	Ultraviolet absorption cross sections of carbonyl sulfide isotopologues OC <sup>32</sup> S, OC <sup>33</sup> S, OC <sup>34</sup> S and O <sup>13</sup> CS: isotopic fractionation in photolysis and atmospheric implications. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10293-10303.	4.9	45
27	Atmospheric chemistry of trans-CF <sub>3</sub> CHCl: Kinetics of the gas-phase reactions with Cl atoms, OH radicals, and O <sub>3</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 199, 92-97.	3.9	43
28	Relative Reaction Rates of HCHO, HCDO, DCDO, H <sub>13</sub> CHO, and HCH <sub>18</sub> O with OH, Cl, Br, and NO <sub>3</sub> Radicals. <i>Journal of Physical Chemistry A</i> , 2004, 108, 7393-7398.	2.5	41
29	Relative Tropospheric Photolysis Rates of HCHO and HCDO Measured at the European Photoreactor Facility. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9034-9046.	2.5	41
30	Gas-Phase Advanced Oxidation for Effective, Efficient in Situ Control of Pollution. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8768-8776.	10.0	41
31	CO + OH → CO <sub>2</sub> + H: The relative reaction rate of five CO isotopologues. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4687-4693.	2.8	39
32	Ozone-assisted regeneration of magnetic carbon nanotubes for removing organic water pollutants. <i>Chemical Engineering Journal</i> , 2018, 335, 384-391.	12.7	37
33	Intracluster rearrangement of protonated nitric acid: Infrared spectroscopic studies of H+(HNO <sub>3</sub> )(H <sub>2</sub> O) <sub>n</sub> . <i>Journal of Chemical Physics</i> , 1993, 99, 9307-9309.	3.0	36
34	Ultra-violet absorption cross sections of isotopically substituted nitrous oxide species: <sup>14</sup> N <sup>14</sup> NO, <sup>15</sup> N <sup>14</sup> NO, <sup>14</sup> N <sup>15</sup> NO and <sup>15</sup> N <sup>15</sup> NO. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1237-1253.	4.9	36
35	Isotope effects in N <sub>2</sub> O photolysis from first principles. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8965-8975.	4.9	36
36	Enhanced biodegradation of styrene vapors in the biotrickling filter inoculated with biosurfactant-generating bacteria under H <sub>2</sub> O <sub>2</sub> stimulation. <i>Science of the Total Environment</i> , 2020, 704, 135325.	8.0	36

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37	Atmospheric chemistry of cis-CF <sub>3</sub> CHCHF: Kinetics of reactions with OH radicals and O <sub>3</sub> and products of OH radical initiated oxidation. <i>Chemical Physics Letters</i> , 2009, 473, 233-237.	2.6	35
38	Atmospheric Chemistry of Two Biodiesel Model Compounds: Methyl Propionate and Ethyl Acetate. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8906-8919.	2.5	35
39	Photoabsorption cross-section measurements of <sup>32</sup> S, <sup>33</sup> S, <sup>34</sup> S, and <sup>36</sup> S sulfur dioxide from 190 to 220 nm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2546-2557.	3.3	35
40	Coherent synchrotron radiation in the far infrared from a 1-mm electron bunch. <i>Optical Engineering</i> , 2000, 39, 3099.	1.0	34
41	Infrared spectrum of the silicon hydride cation SiH <sub>7</sub> <sup>+</sup> . <i>The Journal of Physical Chemistry</i> , 1993, 97, 5215-5217.	2.9	33
42	Atmospheric deuterium fractionation: HCHO and HCDO yields in the CH <sub>3</sub> CH <sub>2</sub> DO + O <sub>2</sub> reaction. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5873-5881.	4.9	33
43	Clumped isotope effects during OH and Cl oxidation of methane. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 307-325.	3.9	33
44	Relative Tropospheric Photolysis Rates of HCHO, H <sup>13</sup> CHO, HCH <sup>18</sup> O, and DCDO Measured at the European Photoreactor Facility. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8314-8319.	2.5	32
45	Freezing of water droplets colliding with kaolinite particles. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4295-4300.	4.9	32
46	Isotopic effects of nitrate photochemistry in snow: a field study at Dome C, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11243-11256.	4.9	32
47	UV absorption spectra of HO <sub>2</sub> , CH <sub>3</sub> O <sub>2</sub> , C <sub>2</sub> H <sub>5</sub> O <sub>2</sub> , and CH <sub>3</sub> C(O)CH <sub>2</sub> O <sub>2</sub> radicals and mechanism of the reactions of F and Cl atoms with CH <sub>3</sub> C(O)CH <sub>3</sub> . <i>International Journal of Chemical Kinetics</i> , 2002, 34, 283-291.	1.6	30
48	Performance of a new diffusive sampler for Hg <sup>0</sup> determination in the troposphere. <i>Environmental Chemistry</i> , 2007, 4, 75.	1.5	29
49	Communication: Multi-state analysis of the OCS ultraviolet absorption including vibrational structure. <i>Journal of Chemical Physics</i> , 2012, 136, 131101.	3.0	29
50	Chemistry and Photochemistry of Pyruvic Acid at the Air-Water Interface. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1036-1049.	2.5	29
51	Ab initio study of sulfur isotope fractionation in the reaction of OCS with OH. <i>Chemical Physics Letters</i> , 2008, 450, 214-220.	2.6	27
52	Photoabsorption cross-section measurements of <sup>32</sup> S, <sup>33</sup> S, <sup>34</sup> S, and <sup>36</sup> S sulfur dioxide for the <sup>1</sup> B <sub>1</sub> absorption band. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
53	Atmospheric Chemistry of Ethyl Propionate. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5164-5179.	2.5	27
54	Theoretical study of the gas phase reaction of methyl acetate with the hydroxyl radical: Structures, mechanisms, rates and temperature dependencies. <i>Chemical Physics Letters</i> , 2010, 490, 116-122.	2.6	26

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55	OCS photolytic isotope effects from first principles: sulfur and carbon isotopes, temperature dependence and implications for the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1511-1520.	4.9	25
56	Evidence for the Role of Ions in Aerosol Nucleation. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10305-10309.	2.5	24
57	Carbonyl sulfide isotopologues: Ultraviolet absorption cross sections and stratospheric photolysis. <i>Journal of Chemical Physics</i> , 2009, 131, 024307.	3.0	24
58	Green and facile approach for enhancing the inherent magnetic properties of carbon nanotubes for water treatment applications. <i>PLoS ONE</i> , 2017, 12, e0180636.	2.5	24
59	Microstructure and Chemical Composition of Particles from Small-scale Gas Flaring. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2205-2221.	2.1	24
60	Quantum Dressed Classical Mechanics: Application to the HO + CO → H + CO <sub>2</sub> Reaction. <i>Journal of Physical Chemistry A</i> , 2001, 105, 11171-11176.	2.5	21
61	Atmospheric photochemical loss of H and H <sub>2</sub> from formaldehyde: the relevance of ultrafast processes. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 674-680.	2.8	21
62	Temperature-dependent quantum efficiency degradation of K-Cs-Sb bialkali antimonide photocathodes grown by a triple-element codeposition method. <i>Physical Review Accelerators and Beams</i> , 2017, 20, .	1.6	21
63	Relative rates of reaction of <sup>13</sup> C <sup>16</sup> O, <sup>12</sup> C <sup>18</sup> O, <sup>12</sup> C <sup>17</sup> O and <sup>13</sup> C <sup>18</sup> O with OH and OD radicals. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2318.	2.8	20
64	Isotope Effect in the Carbonyl Sulfide Reaction with O( <sup>3</sup> P). <i>Journal of Physical Chemistry A</i> , 2012, 116, 3521-3526.	2.5	20
65	Predicting the Safety and Effectiveness of Inferior Vena Cava Filters Study: Design of a unique safety and effectiveness study of inferior vena cava filters in clinical practice. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2020, 8, 187-194.e1.	1.6	20
66	The $\nu_2$ Band of HClO <sub>4</sub> . <i>Journal of Molecular Spectroscopy</i> , 1998, 190, 269-273.	1.2	18
67	High-resolution gas phase spectroscopy with a synchrotron radiation source. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1998, 20, 449-462.	0.4	18
68	Pressure dependence of the deuterium isotope effect in the photolysis of formaldehyde by ultraviolet light. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3455-3462.	4.9	18
69	New Method of Destroying Waste Anesthetic Gases Using Gas-Phase Photochemistry. <i>Anesthesia and Analgesia</i> , 2020, 131, 288-297.	2.2	18
70	Predictions of the sulfur and carbon kinetic isotope effects in the OH + OCS reaction. <i>Chemical Physics Letters</i> , 2012, 531, 64-69.	2.6	17
71	Global modeling of tropospheric iodine aerosol. <i>Geophysical Research Letters</i> , 2016, 43, 10012-10019.	4.0	17
72	Observation of coherent synchrotron radiation from a 1-mm electron bunch at the MAX-I storage ring. , 1999, , .		16

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73	Photodissociation of N <sub>2</sub> O: Triplet states and triplet channel. <i>Journal of Chemical Physics</i> , 2011, 135, 194303.	3.0	16
74	Rate coefficients for the gas-phase reaction of isoprene with NO <sub>3</sub> and NO <sub>2</sub> . <i>International Journal of Chemical Kinetics</i> , 2005, 37, 57-65.	1.6	15
75	<sup>13</sup> C, <sup>18</sup> O, and D Fractionation Effects in the Reactions of CH <sub>3</sub> OH Isotopologues with Cl and OH Radicals. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11099-11114.	2.5	15
76	High-Resolution Far-Infrared Torsional Spectrum of CH <sub>3</sub> SiD <sub>3</sub> Using a Synchrotron Source. <i>Journal of Molecular Spectroscopy</i> , 2002, 215, 134-143.	1.2	14
77	An isotopic analysis of ionising radiation as a source of sulphuric acid. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5319-5327.	4.9	14
78	Chemical and isotopic composition of secondary organic aerosol generated by α-pinene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6373-6391.	4.9	14
79	Gas-phase advanced oxidation as an integrated air pollution control technique. <i>AIMS Environmental Science</i> , 2016, 3, 141-158.	1.4	14
80	Clumped isotope perturbation in tropospheric nitrous oxide from stratospheric photolysis. <i>Geophysical Research Letters</i> , 2015, 42, 3546-3552.	4.0	13
81	HCl and DCl: A case study of different approaches for determining photo fractionation constants. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4798.	2.8	12
82	Monitoring Excess Exposure to Air Pollution for Professional Drivers in London Using Low-Cost Sensors. <i>Atmosphere</i> , 2020, 11, 749.	2.3	12
83	High-Resolution Infrared Study of the $\hat{\nu}_{11}$ Band of Allene. <i>Journal of Molecular Spectroscopy</i> , 2002, 216, 197-202.	1.2	11
84	Relative Tropospheric Photolysis Rates of Acetaldehyde and Formaldehyde Isotopologues Measured at the European Photoreactor Facility. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3498-3504.	2.5	11
85	Recoil Inversion in the Photodissociation of Carbonyl Sulfide near 234 Ånm. <i>Physical Review Letters</i> , 2017, 118, 253001.	7.8	11
86	Treatment of reduced sulphur compounds and SO <sub>2</sub> by Gas Phase Advanced Oxidation. <i>Chemical Engineering Journal</i> , 2017, 307, 427-434.	12.7	11
87	Correlation of Respiratory Aerosols and Metabolic Carbon Dioxide. <i>Sustainability</i> , 2021, 13, 12203.	3.2	11
88	Isotope Effects in Photodissociation: Chemical Reaction Dynamics and Implications for Atmospheres. <i>Advances in Quantum Chemistry</i> , 2008, 55, 101-135.	0.8	10
89	Do Gas Nanobubbles Enhance Aqueous Photocatalysis? Experiment and Analysis of Mechanism. <i>Catalysts</i> , 2021, 11, 511.	3.5	10
90	Methyl acetate reaction with OH and Cl: Reaction rates and products for a biodiesel analogue. <i>Chemical Physics Letters</i> , 2009, 472, 23-29.	2.6	9

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91	Electrospun Nanofibre Air Filters for Particles and Gaseous Pollutants. <i>Sustainability</i> , 2021, 13, 6553.	3.2	8
92	Kinetic isotope effects of $^{12}\text{C}/^{13}\text{C}$ and $\text{D}^-\text{OH}$ and $^{13}\text{C}/^{12}\text{C}$ and $\text{D}^-\text{OH}$ from 278 to 313 K. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4439-4449.	4.9	7
93	Multiphoton Ionization Spectroscopy of AlArN Clusters. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6948-6965.	2.5	6
94	On the origin of the asymmetric shape of the HCl photodissociation cross section. <i>Chemical Physics Letters</i> , 2009, 480, 168-172.	2.6	6
95	Isotope Effects in the Reactions of Chloroform Isotopologues with Cl, OH, and OD. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1731-1739.	2.5	6
96	Photodissociation of $\text{N}_2\text{O}$ : Excitation of $^1\text{A}^{\ominus 3}$ States. <i>Journal of Physical Chemistry A</i> , 2012, 116, 11083-11087.	2.5	6
97	Pressure dependent isotopic fractionation in the photolysis of formaldehyde- $\text{d}_2$ . <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 551-558.	4.9	6
98	Reactions of Three Lactones with Cl, OD, and $\text{O}_3$ : Atmospheric Impact and Trends in Furan Reactivity. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4123-4131.	2.5	6
99	Chemical analysis and origin of the smell of line-dried laundry. <i>Environmental Chemistry</i> , 2020, 17, 355.	1.5	6
100	Formation of Formaldehyde and Other Byproducts by TiO <sub>2</sub> Photocatalyst Materials. <i>Sustainability</i> , 2021, 13, 4821.	3.2	6
101	Kinetics of the gas-phase reactions of chlorine atoms with $\text{CH}_2\text{F}_2$ , $\text{CH}_3\text{CCl}_3$ , and $\text{CF}_3\text{CFH}_2$ over the temperature range 253–553 K. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 401-406.	1.6	5
102	Rate coefficients for the chemical reactions of $\text{CH}_2\text{F}_2$ , $\text{CHClF}_2$ , $\text{CH}_2\text{FCF}_3$ and $\text{CH}_3\text{CCl}_3$ with $\text{O}(1\text{D})$ at 298K. <i>Chemical Physics Letters</i> , 2012, 554, 27-32.	2.6	5
103	Atmospheric oxidation of selected chlorinated alkenes by $\text{O}_3$ , OH, $\text{NO}_3$ and Cl. <i>Atmospheric Environment</i> , 2017, 170, 12-21.	4.1	5
104	Exit-channel recoil resonances by imaging the photodissociation of single quantum-state-selected OCS molecules. <i>Physical Review A</i> , 2018, 98, .	2.5	5
105	The Kinetic Isotope Effects in the Reactions of Four Ethene Isotopologues with Chlorine and Bromine Atoms. <i>Journal of Physical Chemistry A</i> , 2003, 107, 7667-7670.	2.5	4
106	Novel Materials for Combined Nitrogen Dioxide and Formaldehyde Pollution Control under Ambient Conditions. <i>Catalysts</i> , 2020, 10, 1040.	3.5	4
107	Water vapor inhibits hydrogen sulfide detection in pulsed fluorescence sulfur monitors. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2669-2673.	3.1	4
108	Gaseous mercury in coastal urban areas. <i>Environmental Chemistry</i> , 2010, 7, 537.	1.5	3

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109	Industrial Emissions Control Technologies: Introduction. , 2019, , 1-35.		3
110	Airborne Nanoparticles: Control and Detection. , 2021, , 85-133.		3
111	The effect of body position while coughing on the airborne transmission of pathogens. Physics of Fluids, 2022, 34, .	4.0	3
112	Photochemical method for removing methane interference for improved gas analysis. Atmospheric Measurement Techniques, 2021, 14, 8041-8067.	3.1	3
113	Applications of Theoretical Methods to Atmospheric Science. Advances in Quantum Chemistry, 2008, 55, 1-4.	0.8	2
114	Atmospheric Chemistry. , 2015, , .		2
115	On adduct formation and reactivity in the OCS + OH reaction: A combined theoretical and experimental study. Chemical Physics Letters, 2017, 675, 111-117.	2.6	2
116	The riddle of the forbidden UV absorption of aqueous nitrate: the oscillator strength of the $n \hat{\pi}^* \text{I}^{\epsilon*}$ transition in $\text{NO}_3^{\sup>\hat{\pi}^{\sup}}$ including second order vibronic coupling. Physical Chemistry Chemical Physics, 2019, 21, 23466-23472.	2.8	2
117	Photolytic fractionation of seven singly and doubly substituted nitrous oxide isotopocules measured by quantum cascade laser absorption spectroscopy. Atmospheric Environment: X, 2020, 8, 100094.	1.4	2
118	The unexpected effect of aqueous ion pairs on the forbidden $n \hat{\pi}^* \text{I}^{\epsilon*}$ transition in nitrate. Physical Chemistry Chemical Physics, 2020, 22, 11678-11685.	2.8	2
119	Indoor Air Quality: Status and Standards. , 2021, , 135-162.		2
120	Bypassing the multireference character of singlet molecular oxygen, part 1: 1,4-cycloaddition. International Journal of Quantum Chemistry, 2021, 121, e26523.	2.0	2
121	Low-Cost Sensors for Indoor and Outdoor Pollution. , 2019, , 1-31.		2
122	Air Pollution and Climate Change: Sustainability, Restoration, and Ethical Implications. , 2020, , 1-48.		2
123	Industrial Emissions Control Technologies: Introduction. , 2021, , 477-511.		2
124	Kinetics of the reaction of Cl atoms with $\text{CHCl}_3$ over the temperature range 253–313K. Chemical Physics Letters, 2010, 494, 160-162.	2.6	1
125	Chemistry of the atmosphere. , 0, , 140-168.		1
126	The Sulfolene Protecting Group: Observation of a Direct Photoinitiated Cheletropic Ring Opening. ChemPhotoChem, 2021, 5, 863-870.	3.0	1

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127	Urban Air Quality: Sources and Concentrations. , 2019, , 1-23.		1
128	Compact Algorithms for Predicting of Atmospheric Visibility Using PM2.5, Relative Humidity and NO2. Aerosol and Air Quality Research, 2020, , .	2.1	1
129	Air Pollution Sources, Statistics, and Health Effects, Introduction. , 2020, , 1-3.		1
130	Tropospheric Photolysis Rates of the Acetaldehyde Isotopologues CD3CHO and CD3CDO Relative to CH3CHO Measured at the European Photoreactor Facility. Journal of Physical Chemistry A, 2015, 119, 2562-2567.	2.5	0
131	Indoor Air Quality: Status and Standards. , 2019, , 1-28.		0
132	Airborne Nanoparticles: Control and Detection. , 2020, , 1-49.		0
133	Perturbation of the UV transitions of formaldehyde by TiO2 photocatalysts and Aun nanoclusters. Physical Chemistry Chemical Physics, 2022, , .	2.8	0