

# Joel Campbell

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

236  
citations

1039406

9  
h-index

1058022

14  
g-index

32  
all docs

32  
docs citations

32  
times ranked

253  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new exponentially decaying error correlation model for assimilating CO <sub>2</sub> column-average data using a length scale computed from airborne lidar measurements. <i>Geoscientific Model Development</i> , 2022, 15, 649-668.	1.3	9
2	Atmospheric Carbon and Transport â€“ America (ACTâ€“America) Data Sets: Description, Management, and Delivery. <i>Earth and Space Science</i> , 2021, 8, e2020EA001634.	1.1	15
3	Evaluation of OCOâ€“2 X Variability at Local and Synoptic Scales using Lidar and In Situ Observations from the ACTâ€“America Campaigns. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031400.	1.2	16
4	Field Evaluation of Column CO <sub>2</sub> Retrievals From Intensityâ€“Modulated Continuousâ€“Wave Differential Absorption Lidar Measurements During the ACTâ€“America Campaign. <i>Earth and Space Science</i> , 2020, 7, e2019EA000847.	1.1	18
5	Technology Advancements for Active Remote Sensing of Carbon Dioxide from Space using the Active Sensing of CO <sub>2</sub> Emissions over Nights, Days, and Seasons (ASCENDS) CarbonHawk Experiment Simulator. <i>EPJ Web of Conferences</i> , 2018, 176, 02018.	0.1	1
6	Advancements towards active remote sensing of CO <sub>2</sub> from space using intensity-modulated, continuous-Wave (IM-CW) lidar. , 2018, , .		1
7	Measurements of Atmospheric CO <sub>2</sub> Column in Cloudy Weather Conditions using An IM-CW Lidar at 1.57 Micron. <i>EPJ Web of Conferences</i> , 2016, 119, 03002.	0.1	0
8	Advanced intensity-modulation continuous-wave lidar techniques for ASCENDS CO <sub>2</sub> column measurements. , 2015, , .		1
9	Atmospheric CO <sub>2</sub> column measurements in cloudy conditions using intensity-modulated continuous-wave lidar at 157 micron. <i>Optics Express</i> , 2015, 23, A582.	1.7	27
10	Advanced sine wave modulation of continuous wave laser system for atmospheric CO <sub>2</sub> differential absorption measurements. <i>Applied Optics</i> , 2014, 53, 816.	0.9	13
11	High-resolution CW lidar altimetry using repeating intensity-modulated waveforms and Fourier transform reordering. <i>Optics Letters</i> , 2014, 39, 6078.	1.7	8
12	Super-resolution technique for CW lidar using Fourier transform reordering and Richardsonâ€“Lucy deconvolution. <i>Optics Letters</i> , 2014, 39, 6981.	1.7	18
13	Binary phase shift keying on orthogonal carriers for multi-channel CO <sub>2</sub> absorption measurements in the presence of thin clouds. <i>Optics Express</i> , 2014, 22, A1634.	1.7	6
14	Addendum to â€œA low cost remote sensing system using PC and stereo equipmentâ€“ [Am. J. Phys. 79, 1240â€“1245 (2011)]. <i>American Journal of Physics</i> , 2014, 82, 1000-1002.	0.3	0
15	Nonlinear swept frequency technique for CO <sub>2</sub> measurements using a CW laser system. <i>Applied Optics</i> , 2013, 52, 3100.	0.9	9
16	A low cost remote sensing system using PC and stereo equipment. <i>American Journal of Physics</i> , 2011, 79, 1240-1245.	0.3	6
17	Pseudorandom noise code-based technique for cloud and aerosol discrimination applications. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
18	Calibration and flight results for the Ares I-X 5-hole probe. <i>Acta Astronautica</i> , 2011, 68, 1219-1227.	1.7	6

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19	Pseudorandom noise codeâ€‘based technique for thin-cloud discrimination with CO&lt;sub&gt;2&lt;/sub&gt; and O&lt;sub&gt;2&lt;/sub&gt; absorption measurements. Optical Engineering, 2011, 50, 126002.	0.5	10
20	A simple sensor model for THUNDER actuators. Smart Materials and Structures, 2009, 18, 095011.	1.8	0
21	Some exact results for the SchrÃ¶dinger wave equation with a time-dependent potential. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 365212.	0.7	23
22	Advancement of optical component control for an imaging Fabry-Perot interferometer. , 2009, , .		0
23	The Dispersion Relation for the $1/\sinh^2$ Potential in the Classical Limit. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 153-156.	0.7	0
24	Synthetic quadrature phase detector/demodulator for Fourier transform spectrometers. Applied Optics, 2008, 47, 6889.	2.1	9
25	Performance improvement and characterization activities for an imaging Fabry-Perot interferometer. Proceedings of SPIE, 2008, , .	0.8	1
26	Overview of laboratory testing results for an imaging Fabry-Perot interferometer. Proceedings of SPIE, 2007, , .	0.8	2
27	The SMM model as a boundary value problem using the discrete diffusion equation. Theoretical Population Biology, 2007, 72, 539-546.	0.5	8
28	<title>Nonlinear finite element modeling of THUNDER piezoelectric actuators</title>. , 1999, 3668, 555.		13
29	Classical solitons for a one-dimensional many-body system with inverse-square interaction. Physical Review B, 1994, 50, 888-896.	1.1	10
30	Ground state energy for the Hartreeâ€‘Fock equations with Dirichlet boundary conditions. Journal of Mathematical Physics, 1994, 35, 1471-1486.	0.5	2