# Å½eljka Fuchs

List of Publications by Year
in descending order



| 26 | 1,191 | 623734 | 552781 |
|---|---|---|---|
| papers | citations | 14 h-index | 26 g-index |

| 31 | 31 | 31 | 663 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Mechanics of Gross Moist Stability. Journal of Advances in Modeling Earth Systems, 2009, 1, . | 3.8 | 228 |
| 2 | Moisture Modes and the Maddenâ€“Julian Oscillation. Journal of Climate, 2009, 22, 3031-3046. | 3.2 | 212 |
| 3 | Large-Scale Modes in a Rotating Atmosphere with Radiativeâ€“Convective Instability and WISHE. Journals of the Atmospheric Sciences, 2005, 62, 4084-4094. | 1.7 | 95 |
| 4 | Convective Forcing in the Intertropical Convergence Zone of the Eastern Pacific. Journals of the Atmospheric Sciences, 2003, 60, 2064-2082. | 1.7 | 93 |
| 5 | Large-Scale Modes of a Nonrotating Atmosphere with Water Vapor and Cloudâ€“Radiation Feedbacks. Journals of the Atmospheric Sciences, 2002, 59, 1669-1679. | 1.7 | 87 |
| 6 | Convectively coupled gravity and moisture modes in a simple atmospheric model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 59, 627. | 1.7 | 83 |
| 7 | A simple model of intraseasonal oscillations. Journal of Advances in Modeling Earth Systems, 2017, 9, 1195-1211. | 3.8 | 81 |
| 8 | Balanced dynamics and convection in the tropical troposphere. Journal of Advances in Modeling Earth Systems, 2015, 7, 1093-1116. | 3.8 | 68 |
| 9 | A simple, vertically resolved model of tropical disturbances with a humidity closure. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 344-354. | 1.7 | 61 |
| 10 | OTREC2019: Convection Over the East Pacific and Southwest Caribbean. Geophysical Research Letters, 2020, 47, e2020GL087564. | 4.0 | 27 |
| 11 | A Simple Model of Convectively Coupled Equatorial Rossby Waves. Journal of Advances in Modeling Earth Systems, 2019, 11, 173-184. | 3.8 | 18 |
| 12 | Convectively Coupled Kelvin Waves: From Linear Theory to Global Models. Journals of the Atmospheric Sciences, 2016, 73, 407-428. | 1.7 | 17 |
| 13 | Effects of Varying the Shape of the Convective Heating Profile on Convectively Coupled Gravity Waves and Moisture Modes. Journals of the Atmospheric Sciences, 2012, 69, 2505-2519. | 1.7 | 16 |
| 14 | Diagnosing <scp>DYNAMO</scp> convection with weak temperature gradient simulations. Journal of Advances in Modeling Earth Systems, 2015, 7, 1849-1871. | 3.8 | 16 |
| 15 | Towards a Mechanistic Understanding of Precipitation Over the Far Eastern Tropical Pacific and Western Colombia, One of the Rainiest Spots on Earth. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033415. | 3.3 | 15 |
| 16 | Emergent Properties of Convection in OTREC and PREDICT. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033585. | 3.3 | 14 |
| 17 | Precipitation correlation between convective available potential energy, convective inhibition and saturation fraction in middle latitudes. Atmospheric Research, 2013, 124, 170-180. | 4.1 | 11 |
| 18 | High-resolution in situ observations of atmospheric thermodynamics using dropsondes during the Organization of Tropical East Pacific Convection (OTREC) field campaign. Earth System Science Data, 2021, 13, 1107-1117. | 9.9 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Maddenâ€Julian Oscillation and the Indoâ€Pacific Warm Pool. Journal of Advances in Modeling Earth Systems, 2018, 10, 951-960. | 3.8 | 8 |
| 20 | Mechanisms controlling the onset of simulated convectively coupled Kelvin waves. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 22107. | 1.7 | 7 |
| 21 | The Risks of Contracting the Acquisition and Processing of the Nationâ€™s Weather and Climate Data to the Private Sector. Bulletin of the American Meteorological Society, 2018, 99, 869-870. | 3.3 | 6 |
| 22 | The Maddenâ€Julian Oscillation and Mean Easterly Winds. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030869. | 3.3 | 5 |
| 23 | WISHEâ€Moisture Mode in a Vertically Resolved Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001839. | 3.8 | 4 |
| 24 | Sensitivity of Linear Models of the Madden-Julian oscillationÂto Convective Representation. Journals of the Atmospheric Sciences, 2022, , . | 1.7 | 4 |
| 25 | Weak Temperature Gradient Modeling of Convection in OTREC. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002557. | 3.8 | 2 |
| 26 | On the impact of dropsondes on the ECMWF Integrated Forecasting System model (CY47R1) analysis of convection during the OTREC (Organization of Tropical East Pacific Convection) field campaign. Geoscientific Model Development, 2022, 15, 3371-3385. | 3.6 | 2 |