

# Pierre Ineichen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8793779/publications.pdf>

Version: 2024-02-01

19  
papers

3,907  
citations

430442

18  
h-index

794141

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2416  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Modeling daylight availability and irradiance components from direct and global irradiance. Solar Energy, 1990, 44, 271-289.  | 2.9 | 1,370     |
| 2  | A new simplified version of the perez diffuse irradiance model for tilted surfaces. Solar Energy, 1987, 39, 221-231.  | 2.9 | 601       |
| 3  | A new operational model for satellite-derived irradiances: description and validation. Solar Energy, 2002, 73, 307-317.   | 2.9 | 499       |
| 4  | A new airmass independent formulation for the Linke turbidity coefficient. Solar Energy, 2002, 73, 151-157.   | 2.9 | 433       |
| 5  | A broadband simplified version of the Solis clear sky model. Solar Energy, 2008, 82, 758-762.   | 2.9 | 198       |
| 6  | Comparison of eight clear sky broadband models against 16 independent data banks. Solar Energy, 2006, 80, 468-478.  | 2.9 | 181       |
| 7  | Climatic evaluation of models that predict hourly direct irradiance from hourly global irradiance: Prospects for performance improvements. Solar Energy, 1990, 44, 99-108.  | 2.9 | 78        |
| 8  | Validation of models that estimate the clear sky global and beam solar irradiance. Solar Energy, 2016, 132, 332-344.  | 2.9 | 78        |
| 9  | Ground-reflected radiation and albedo. Solar Energy, 1990, 44, 207-214.   | 2.9 | 74        |
| 10 | Satellite Application Facilities irradiance products: hourly time step comparison and validation over Europe. International Journal of Remote Sensing, 2009, 30, 5549-5571. | 1.3 | 61        |
| 11 | Producing satellite-derived irradiances in complex arid terrain. Solar Energy, 2004, 77, 367-371.   | 2.9 | 54        |
| 12 | Long Term Satellite Global, Beam and Diffuse Irradiance Validation. Energy Procedia, 2014, 48, 1586-1596.   | 1.8 | 52        |
| 13 | Conversion function between the Linke turbidity and the atmospheric water vapor and aerosol content. Solar Energy, 2008, 82, 1095-1097.                                     | 2.9 | 51        |
| 14 | The importance of correct albedo determination for adequately modeling energy received by tilted surfaces. Solar Energy, 1987, 39, 301-305.                                 | 2.9 | 50        |
| 15 | Comparison and validation of three global-to-beam irradiance models against ground measurements. Solar Energy, 2008, 82, 501-512.   | 2.9 | 39        |
| 16 | Sky luminance data validation: Comparison of seven models with four data banks. Solar Energy, 1994, 52, 337-346.  | 2.9 | 32        |
| 17 | Geostatistical properties and modeling of random cloud patterns for real skies. Solar Energy, 1993, 51, 7-18.   | 2.9 | 19        |
| 18 | High Turbidity Solis Clear Sky Model: Development and Validation. Remote Sensing, 2018, 10, 435.  | 1.8 | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Impact of Pinatubo aerosols on the seasonal trends of global, direct and diffuse irradiance in two northern mid-latitude sites. Solar Energy, 1996, 58, 91-101. | 2.9 | 18        |