

Yvan Dutil

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,373
citations

840728

11
h-index

752679

20
g-index

27
all docs

27
docs citations

27
times ranked

1503
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A review on phase-change materials: Mathematical modeling and simulations. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 112-130. | 16.4 | 515 |
| 2 | Experimental study of small-scale solar wall integrating phase change material. <i>Solar Energy</i> , 2012, 86, 208-219. | 6.1 | 148 |
| 3 | A comprehensive review of solar facades. Opaque solar facades. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2820-2832. | 16.4 | 142 |
| 4 | A comprehensive review of solar facades. Transparent and translucent solar facades. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2643-2651. | 16.4 | 129 |
| 5 | Chemical Evidence for Morphological Evolution of Spiral Galaxies. <i>Astrophysical Journal</i> , 1999, 516, 62-76. | 4.5 | 76 |
| 6 | Modeling phase change materials behavior in building applications: Comments on material characterization and model validation. <i>Renewable Energy</i> , 2014, 61, 132-135. | 8.9 | 69 |
| 7 | Tracking strategy for photovoltaic solar systems in high latitudes. <i>Energy Conversion and Management</i> , 2015, 103, 147-156. | 9.2 | 67 |
| 8 | Sustainable Buildings: An Ever Evolving Target. <i>Sustainability</i> , 2011, 3, 443-464. | 3.2 | 62 |
| 9 | The O/H Distribution in the Low-Mass Galaxies NGC 2366 and NGC 4395. <i>Astrophysical Journal</i> , 1996, 460, 284. | 4.5 | 47 |
| 10 | Study of the influence of roof insulation involving local materials on cooling loads of houses built of clay and straw. <i>Energy and Buildings</i> , 2012, 50, 74-80. | 6.7 | 38 |
| 11 | Experimental and Two-dimensional Numerical Simulation of an Unglazed Transpired Solar Air Collector. <i>Energy Procedia</i> , 2012, 30, 19-28. | 1.8 | 16 |
| 12 | The Hazards of Imaging Spectrophotometry with Interference Filters. <i>Astronomical Journal</i> , 2001, 122, 1644-1655. | 4.7 | 11 |
| 13 | Energy Costs of Energy Savings in Buildings: A Review. <i>Sustainability</i> , 2012, 4, 1711-1732. | 3.2 | 9 |
| 14 | Large-Scale Experimental Study of a Phase Change Material: Shape Identification for the Solid-Liquid Interface. <i>International Journal of Thermophysics</i> , 2015, 36, 2897-2915. | 2.1 | 9 |
| 15 | ACE-FTS level 0 to 1 data processing. , 2002, , . | | 6 |
| 16 | Optical continuum signature of the jet in the spiral galaxy NGC 4258. <i>Astrophysical Journal</i> , 1995, 444, L85. | 4.5 | 6 |
| 17 | Magnetic control of natural convection in the horizontal Bridgman configuration: symmetric and non-symmetric cross sections. <i>International Journal of Computational Fluid Dynamics</i> , 2011, 25, 127-138. | 1.2 | 5 |
| 18 | Numerical Simulation of Thermal Storage by Latent and Sensible Heat in a Porous Vertical Channel: Performance Analysis and Comparison. <i>Numerical Heat Transfer; Part A: Applications</i> , 2012, 62, 948-972. | 2.1 | 5 |

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|----|--|-----|-----------|
| 19 | An experimental investigation of a two-dimensional prototype of a transparent transpired collector. Energy and Buildings, 2014, 68, 232-241. | 6.7 | 4 |
| 20 | CrIS raw data records (level 0) to sensor data records (level 1b) processing. , 2002, , . | | 3 |
| 21 | ACE-FTS spectral calibration. , 2003, , . | | 3 |
| 22 | Characterization of the ACE-FTS instrument line shape. , 2003, , . | | 1 |
| 23 | Detection of biomarkers using infra-red spectroscopy. Acta Astronautica, 2010, 67, 1356-1360. | 3.2 | 1 |
| 24 | Chemical Evidence for Evolution of galaxies. Astrophysics and Space Science, 2001, 277, 165-168. | 1.4 | 0 |
| 25 | Chemical Evidence for Evolution of Galaxies. , 2001, , 165-168. | | 0 |
| 26 | Modeling Phase Change Materials Behaviour in Building Applications: Selected Comments. , 2011, , . | | 0 |