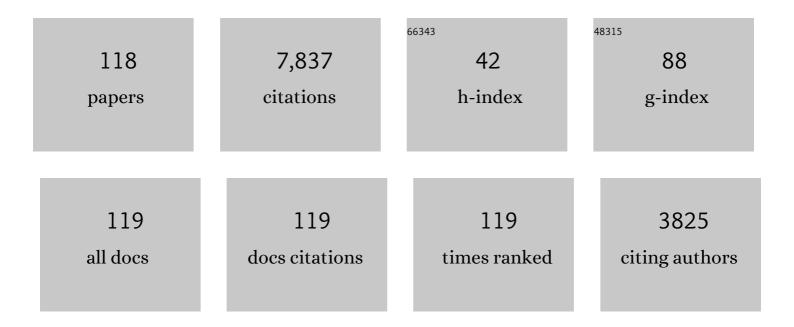
List of Publications by Year in descending order

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KADI LOULAIN

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| 1 | Spherical and cylindrical conductive thermal diodes based on two phase-change materials. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, 77, 181-190. | 1.5 | 1 |
| 2 | Characterization of the temperature behavior of optimized SiC gratings emissivity. International Journal of Heat and Mass Transfer, 2021, 172, 121140. | 4.8 | 1 |
| 3 | Thermal Transistor Effect in Quantum Systems. Physical Review Applied, 2021, 16, . | 3.8 | 12 |
| 4 | Daytime radiative cooling with silica fiber network. Solar Energy Materials and Solar Cells, 2020, 206, 110320. | 6.2 | 28 |
| 5 | VO ₂ Substrate Effect on the Thermal Rectification of a Far-Field Radiative Diode. Physical Review Applied, 2020, 14, . | 3.8 | 15 |
| 6 | Heat transport in semiconductor crystals: Beyond the local-linear approximation. Journal of Applied Physics, 2020, 128, 105104. | 2.5 | 3 |
| 7 | Optimization of the rectification factor of radiative thermal diodes based on two phase-change materials. International Journal of Heat and Mass Transfer, 2020, 154, 119739. | 4.8 | 12 |
| 8 | Conductive thermal diode based on two phase-change materials. International Journal of Thermal Sciences, 2020, 153, 106393. | 4.9 | 16 |
| 9 | Colored Radiative Cooling Coatings with Nanoparticles. ACS Photonics, 2020, 7, 1312-1322. | 6.6 | 91 |
| 10 | Microstructured surfaces for colored and non-colored sky radiative cooling. Optics Express, 2020, 28, 29703. | 3.4 | 24 |
| 11 | Thermal emission from a single glass fiber. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106598. | 2.3 | 4 |
| 12 | Spherical and cylindrical conductive thermal diodes based on VO2. European Physical Journal Plus, 2019, 134, 1. | 2.6 | 3 |
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| 15 | Measurement of the hysteretic thermal properties of W-doped and undoped nanocrystalline powders of VO2. Scientific Reports, 2019, 9, 14687. | 3.3 | 34 |
| 16 | Periodic amplification of radiative heat transfer. Journal of Applied Physics, 2019, 125, 064302. | 2.5 | 2 |
| 17 | Near-Field and Far-Field Thermal Emission of individual subwavelength-sized resonators. , 2019, , . | | 0 |
| 18 | Conductive thermal diode based on the thermal hysteresis of VO2 and nitinol. Journal of Applied Physics, 2018, 123, . | 2.5 | 34 |

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| 19 | VO2-based radiative thermal transistor with a semi-transparent base. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 52-61. | 2.3 | 22 |
| 20 | Evolution of the Thermal Conductivity of Sintered Silver Joints with their Porosity Predicted by the Finite Element Analysis of Real 3D Microstructures. Journal of Electronic Materials, 2018, 47, 4170-4176. | 2.2 | 10 |
| 21 | Analytical description of the radiative-conductive heat transfer in a gray medium contained between two diffuse parallel plates. Applied Mathematical Modelling, 2018, 56, 51-64. | 4.2 | 6 |
| 22 | Thermal hysteresis measurement of the VO2 dielectric function for its metal-insulator transition by visible-IR ellipsometry. Journal of Applied Physics, 2018, 124, . | 2.5 | 40 |
| 23 | Radiative cooling by tailoring surfaces with microstructures: Association of a grating and a multi-layer structure. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 221, 155-163. | 2.3 | 66 |
| 24 | Thermal hysteresis measurement of the VO2 emissivity and its application in thermal rectification. Scientific Reports, 2018, 8, 8479. | 3.3 | 36 |
| 25 | Modeling of the electrical conductivity, thermal conductivity, and specific heat capacity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VO</mml:mi><mml:mn>2Physical Review B. 2018. 98</mml:mn></mml:msub></mml:math | nn≯∹⁄/mm | l:msub> |
| 26 | Heat transport in semiconductor crystals under large temperature gradients. International Journal of Heat and Mass Transfer, 2017, 108, 1357-1363. | 4.8 | 3 |
| 27 | Quantum thermal diode based on two interacting spinlike systems under different excitations. Physical Review E, 2017, 95, 022128. | 2.1 | 59 |
| 28 | Temperature of a nanoparticle above a substrate under radiative heating and cooling. Physical Review B, 2017, 95, . | 3.2 | 9 |
| 29 | Thermal Conductance of a Surface Phonon-Polariton Crystal Made up of Polar Nanorods. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 135-139. | 1.5 | 2 |
| 30 | Quantum Thermal Rectification to Design Thermal Diodes and Transistors. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 163-170. | 1.5 | 6 |
| 31 | Photonic thermal diode based on superconductors. Journal of Applied Physics, 2017, 122, . | 2.5 | 25 |
| 32 | Polaritonic figure of merit of plane structures. Optics Express, 2017, 25, 25938. | 3.4 | 5 |
| 33 | Dynamical heat transport amplification in a far-field thermal transistor of VO2 excited with a laser of modulated intensity. Journal of Applied Physics, 2016, 119, . | 2.5 | 21 |
| 34 | Temperature dependence of a microstructured SiC coherent thermal source. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 180, 29-38. | 2.3 | 14 |
| 35 | Thermal energy transport in a surface phonon-polariton crystal. Physical Review B, 2016, 93, . | 3.2 | 27 |
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| 38 | Optimized thermal amplification in a radiative transistor. Journal of Applied Physics, 2016, 119, . | 2.5 | 29 |
| 39 | Thermal emission by a subwavelength aperture. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 173, 1-6. | 2.3 | 3 |
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