

Luca Bergamasco

List of Publications by Year in descending order

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28
times ranked

570
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Minimal crystallographic descriptors of sorption properties in hypothetical MOFs and role in sequential learning optimization. Npj Computational Materials, 2022, 8, . | 3.5 | 12 |
| 2 | An overview on the use of additives and preparation procedure in phase change materials for thermal energy storage with a focus on long term applications. Journal of Energy Storage, 2022, 53, 105140. | 3.9 | 28 |
| 3 | Effect of water nanoconfinement on the dynamic properties of paramagnetic colloidal complexes. Physical Chemistry Chemical Physics, 2021, 23, 16948-16957. | 1.3 | 1 |
| 4 | Emergence of Electric Fields at the Water–C12E6 Surfactant Interface. Journal of the American Chemical Society, 2021, 143, 15103-15112. | 6.6 | 16 |
| 5 | Data-driven appraisal of renewable energy potentials for sustainable freshwater production in Africa. Renewable and Sustainable Energy Reviews, 2021, 149, 111414. | 8.2 | 21 |
| 6 | Synergistic freshwater and electricity production using passive membrane distillation and waste heat recovered from camouflaged photovoltaic modules. Journal of Cleaner Production, 2021, 318, 128464. | 4.6 | 21 |
| 7 | Deep-sea reverse osmosis desalination for energy efficient low salinity enhanced oil recovery. Applied Energy, 2021, 304, 117661. | 5.1 | 6 |
| 8 | Sustainable freshwater production using passive membrane distillation and waste heat recovery from portable generator sets. Applied Energy, 2020, 258, 114086. | 5.1 | 38 |
| 9 | Techno-Economic Analysis of a Solar Thermal Plant for Large-Scale Water Pasteurization. Applied Sciences (Switzerland), 2020, 10, 4771. | 1.3 | 11 |
| 10 | Convective Heat Transfer Enhancement through Laser-Etched Heat Sinks: Elliptic Scale-Roughened and Cones Patterns. Energies, 2020, 13, 1360. | 1.6 | 3 |
| 11 | Exergy analysis of solar desalination systems based on passive multi-effect membrane distillation. Energy Reports, 2020, 6, 445-454. | 2.5 | 34 |
| 12 | From GROMACS to LAMMPS: GRO2LAM. Journal of Molecular Modeling, 2019, 25, 147. | 0.8 | 29 |
| 13 | Coffee-based colloids for direct solar absorption. Scientific Reports, 2019, 9, 4701. | 1.6 | 29 |
| 14 | Water/Ethanol and 13X Zeolite Pairs for Long-Term Thermal Energy Storage at Ambient Pressure. Frontiers in Energy Research, 2019, 7, . | 1.2 | 13 |
| 15 | Thermally triggered nanorocket from double-walled carbon nanotube in water. Molecular Simulation, 2019, 45, 417-424. | 0.9 | 9 |
| 16 | Nano-metering of Solvated Biomolecules Or Nanoparticles from Water Self-Diffusivity in Bio-inspired Nanopores. Nanoscale Research Letters, 2019, 14, 336. | 3.1 | 3 |
| 17 | Multiple-Regression Method for Fast Estimation of Solar Irradiation and Photovoltaic Energy Potentials over Europe and Africa. Energies, 2018, 11, 3477. | 1.6 | 18 |
| 18 | Mesoscopic Moment Equations for Heat Conduction: Characteristic Features and Slow–Fast Mode Decomposition. Entropy, 2018, 20, 126. | 1.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Analysis of mixed adhesive joints considering the compaction process. International Journal of Adhesion and Adhesives, 2017, 76, 3-10. | 1.4 | 20 |
| 20 | Oscillation regimes of gas/vapor bubbles. International Journal of Heat and Mass Transfer, 2017, 112, 72-80. | 2.5 | 21 |
| 21 | Shock Propagation Effects in Multilayer Assembly Including a Liquid Phase. Key Engineering Materials, 2017, 755, 181-189. | 0.4 | 2 |
| 22 | The non-linear response of bubble clouds to pressure excitations. Journal of Physics: Conference Series, 2015, 656, 012123. | 0.3 | 0 |
| 23 | Multi-scale permeability of deformable fibrous porous media. Chemical Engineering Science, 2015, 126, 471-482. | 1.9 | 5 |
| 24 | Generalized analytical solution for compressive forces in adhesively-bonded-joint assembling. International Journal of Adhesion and Adhesives, 2014, 52, 26-30. | 1.4 | 3 |
| 25 | Direct numerical simulation of complex viscoelastic flows via fast lattice-Boltzmann solution of the Fokker-Planck equation. Journal of Non-Newtonian Fluid Mechanics, 2013, 201, 29-38. | 1.0 | 8 |
| 26 | Scalable methodology for the photovoltaic solar energy potential assessment based on available roof surface area: Further improvements by ortho-image analysis and application to Turin (Italy). Solar Energy, 2011, 85, 2741-2756. | 2.9 | 80 |
| 27 | Scalable methodology for the photovoltaic solar energy potential assessment based on available roof surface area: Application to Piedmont Region (Italy). Solar Energy, 2011, 85, 1041-1055. | 2.9 | 162 |