Benjamin Remy

List of Publications by Year in descending order

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RENIAMIN REMY

#	Article	IF	CITATIONS
1	A New Coupled Approach for Enthalpy Pumping Consideration in a Free Piston Stirling Engine (FPSE). Applied Mechanics, 2022, 3, 339-359.	1.5	1
2	Performance simulation by a nonlinear thermodynamic model for a Free Piston Stirling Engine with a linear generator. Applied Thermal Engineering, 2021, 184, 116128.	6.0	22
3	Free Piston Stirling Engine as a new heat recovery option for an Internal Reforming Solid Oxide Fuel Cell. Renewable Energy, 2021, 171, 1188-1201.	8.9	12
4	Nonlinear modeling of a Free Piston Stirling Engine combined with a Permanent Magnet Linear Synchronous Machine. Applied Thermal Engineering, 2020, 165, 114544.	6.0	31
5	Network of thermal cracks in meteorites due to temperature variations: new experimental evidence and implications for asteroid surfaces. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1905-1920.	4.4	12
6	Lactonase Specificity Is Key to Quorum Quenching in Pseudomonas aeruginosa. Frontiers in Microbiology, 2020, 11, 762.	3.5	35
7	Identification of Transfer Functions in a Vacuum Brazed Load with ARX Models. Instrumentation Mesure Metrologie, 2020, 19, 229-234.	0.3	2
8	Lactonase SsoPox modulates CRISPR-Cas expression in gram-negative proteobacteria using AHL-based quorum sensing systems. Research in Microbiology, 2019, 170, 296-299.	2.1	16
9	Quorum Quenching Lactonase Strengthens Bacteriophage and Antibiotic Arsenal Against Pseudomonas aeruginosa Clinical Isolates. Frontiers in Microbiology, 2019, 10, 2049.	3.5	41
10	Modeling of thermal contacts with heat generation: Application to electrothermal problems. International Journal of Heat and Mass Transfer, 2019, 140, 293-302.	4.8	3
11	Model reduction for experimental thermal characterization of a holding furnace. Heat and Mass Transfer, 2018, 54, 2443-2452.	2.1	1
12	Interference in Bacterial Quorum Sensing: A Biopharmaceutical Perspective. Frontiers in Pharmacology, 2018, 9, 203.	3.5	230
13	TRANSIENT CHARACTERIZATION OF A HEAT EXCHANGER THROUGH IDENTIFICATION OF ITS TRANSFER FUNCTIONS. , 2018, , .		Ο
14	Thermal insulation properties of YSZ coatings: Suspension Plasma Spraying (SPS) versus Electron Beam Physical Vapor Deposition (EB-PVD) and Atmospheric Plasma Spraying (APS). Surface and Coatings Technology, 2017, 318, 122-128.	4.8	98
15	Biotechnological applications of quorum quenching enzymes. Chemico-Biological Interactions, 2017, 267, 104-115.	4.0	138
16	Effect of Suspension Plasma-Sprayed YSZ Columnar Microstructure and Bond Coat Surface Preparation on Thermal Barrier Coating Properties. Journal of Thermal Spray Technology, 2017, 26, 1025-1037.	3.1	55
17	Effect of Quorum Quenching Lactonase in Clinical Isolates of Pseudomonas aeruginosa and Comparison with Quorum Sensing Inhibitors. Frontiers in Microbiology, 2017, 08, 227.	3.5	120
18	Harnessing hyperthermostable lactonase from Sulfolobus solfataricus for biotechnological applications. Scientific Reports, 2016, 6, 37780.	3.3	38

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19	Implementation of a numerical holding furnace model in foundry and construction of a reduced model. Journal of Physics: Conference Series, 2016, 745, 032088.	0.4	1
20	Optimal wavelengths obtained from laws analogous to the Wien's law for monospectral and bispectral methods, and general methodology for multispectral temperature measurements taking into account global transfer function including non-uniform emissivity of surfaces. Infrared Physics and Technology, 2016, 76, 444-454.	2.9	15
21	Steady-state and transient microscale temperature measurements by multispectral method and photons counting. Applied Thermal Engineering, 2016, 99, 343-351.	6.0	2
22	Columnar suspension plasma sprayed coating microstructural control for thermal barrier coating application. Journal of the European Ceramic Society, 2016, 36, 1081-1089.	5.7	73
23	Experimental thermal properties characterization of insulating cork–gypsum composite. Construction and Building Materials, 2014, 54, 202-209.	7.2	94
24	Thermal characterization of anisotropic materials by integral transforms taking into account the thermal coupling with the sample-holder. International Journal of Thermal Sciences, 2014, 79, 67-75.	4.9	10
25	New Estimation Method Based on Integral Transforms for the Thermal Diffusivity Measurement of Anisotropic Materials. , 2014, , .		0
26	Model identificaton for temperature extrapolation in aircraft powerplant systems. International Journal of Thermal Sciences, 2013, 64, 162-177.	4.9	7
27	Granular Cork Content Dependence of Thermal Diffusivity, Thermal Conductivity and Heat Capacity of the Composite Material/Granular Cork Bound with Plaster. Energy Procedia, 2013, 42, 83-92.	1.8	37
28	Thermal Characterization of Anisotropic Materials at High Temperature Through Integral Methods and Localized Pulsed Technique. International Journal of Thermophysics, 2013, 34, 322-340.	2.1	13
29	Optimisation of wavelengths selection used for the multi-spectral temperature measurement by ordinary least squares method of surfaces exhibiting non-uniform emissivity. Quantitative InfraRed Thermography Journal, 2013, 10, 222-236.	4.2	14
30	Alternative and Relevant Representation to Heat Transfer Coefficient for Modeling the Heat Transfer Between a Fluid and a Non-Isothermal Wall in Transient Regime. , 2010, , .		4
31	High Temperature Facility Under Vacuum for the Thermal Characterization of Anisotropic Materials. , 2010, , .		3
32	Estimation of the spatial distribution of high heat flux pulse stimulations through infrared thermography. Quantitative InfraRed Thermography Journal, 2010, 7, 237-254.	4.2	1
33	Thermal Microscopy with Photomultipliers and UV to IR Cameras. Topics in Applied Physics, 2009, , 411-438.	0.8	Ο
34	Thermal transient behaviour of a bi-layer material with a non-plane interface. International Journal of Thermal Sciences, 2008, 47, 546-551.	4.9	2
35	Fast and Accurate Simplified Radiative Model for Modeling Coupled Heat Transfers in Glass Forming Process. Advanced Materials Research, 2008, 39-40, 575-578.	0.3	4
36	Microscale temperature measurement by the multispectral and statistic method in the ultraviolet-visible wavelengths. Journal of Applied Physics, 2008, 103, 034904.	2.5	12

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37	Parameters estimation and measurement of thermophysical properties of liquids. International Journal of Heat and Mass Transfer, 2005, 48, 4103-4120.	4.8	25
38	Thermal resistance of a multi-constrictions contact: A simple model. International Journal of Heat and Mass Transfer, 2003, 46, 3727-3735.	4.8	14
39	Transient radiation-conductive heat transfer problems: "The quadrupole method― Journal of Thermal Science, 2002, 11, 359-371.	1.9	5
40	Experimental estimation of the transient free convection heat transfer coefficient on a vertical flat plate in air. International Journal of Heat and Mass Transfer, 2002, 45, 3413-3427.	4.8	27