

Benjamin Remy

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,246
citations

566801

15
h-index

377514

34
g-index

43
all docs

43
docs citations

43
times ranked

1410
citing authors

#	ARTICLE	IF	CITATIONS
1	Interference in Bacterial Quorum Sensing: A Biopharmaceutical Perspective. <i>Frontiers in Pharmacology</i> , 2018, 9, 203.	1.6	230
2	Biotechnological applications of quorum quenching enzymes. <i>Chemico-Biological Interactions</i> , 2017, 267, 104-115.	1.7	138
3	Effect of Quorum Quenching Lactonase in Clinical Isolates of <i>Pseudomonas aeruginosa</i> and Comparison with Quorum Sensing Inhibitors. <i>Frontiers in Microbiology</i> , 2017, 08, 227.	1.5	120
4	Thermal insulation properties of YSZ coatings: Suspension Plasma Spraying (SPS) versus Electron Beam Physical Vapor Deposition (EB-PVD) and Atmospheric Plasma Spraying (APS). <i>Surface and Coatings Technology</i> , 2017, 318, 122-128.	2.2	98
5	Experimental thermal properties characterization of insulating cork-gypsum composite. <i>Construction and Building Materials</i> , 2014, 54, 202-209.	3.2	94
6	Columnar suspension plasma sprayed coating microstructural control for thermal barrier coating application. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1081-1089.	2.8	73
7	Effect of Suspension Plasma-Sprayed YSZ Columnar Microstructure and Bond Coat Surface Preparation on Thermal Barrier Coating Properties. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1025-1037.	1.6	55
8	Quorum Quenching Lactonase Strengthens Bacteriophage and Antibiotic Arsenal Against <i>Pseudomonas aeruginosa</i> Clinical Isolates. <i>Frontiers in Microbiology</i> , 2019, 10, 2049.	1.5	41
9	Harnessing hyperthermostable lactonase from <i>Sulfolobus solfataricus</i> for biotechnological applications. <i>Scientific Reports</i> , 2016, 6, 37780.	1.6	38
10	Granular Cork Content Dependence of Thermal Diffusivity, Thermal Conductivity and Heat Capacity of the Composite Material/Granular Cork Bound with Plaster. <i>Energy Procedia</i> , 2013, 42, 83-92.	1.8	37
11	Lactonase Specificity Is Key to Quorum Quenching in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 762.	1.5	35
12	Nonlinear modeling of a Free Piston Stirling Engine combined with a Permanent Magnet Linear Synchronous Machine. <i>Applied Thermal Engineering</i> , 2020, 165, 114544.	3.0	31
13	Experimental estimation of the transient free convection heat transfer coefficient on a vertical flat plate in air. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 3413-3427.	2.5	27
14	Parameters estimation and measurement of thermophysical properties of liquids. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 4103-4120.	2.5	25
15	Performance simulation by a nonlinear thermodynamic model for a Free Piston Stirling Engine with a linear generator. <i>Applied Thermal Engineering</i> , 2021, 184, 116128.	3.0	22
16	Lactonase SsoPox modulates CRISPR-Cas expression in gram-negative proteobacteria using AHL-based quorum sensing systems. <i>Research in Microbiology</i> , 2019, 170, 296-299.	1.0	16
17	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. <i>Infrared Physics and Technology</i> , 2016, 76, 444-454.	1.3	15
18	Thermal resistance of a multi-constrictions contact: A simple model. <i>International Journal of Heat and Mass Transfer</i> , 2003, 46, 3727-3735.	2.5	14

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19	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.	2.1	14
20	Thermal Characterization of Anisotropic Materials at High Temperature Through Integral Methods and Localized Pulsed Technique. International Journal of Thermophysics, 2013, 34, 322-340.	1.0	13
21	Microscale temperature measurement by the multispectral and statistic method in the ultraviolet-visible wavelengths. Journal of Applied Physics, 2008, 103, 034904.	1.1	12
22	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.	1.6	12
23	Free Piston Stirling Engine as a new heat recovery option for an Internal Reforming Solid Oxide Fuel Cell. Renewable Energy, 2021, 171, 1188-1201.	4.3	12
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.	2.6	10
25	Model identificaton for temperature extrapolation in aircraft powerplant systems. International Journal of Thermal Sciences, 2013, 64, 162-177.	2.6	7
26	Transient radiation-conductive heat transfer problems: "The quadrupole method". Journal of Thermal Science, 2002, 11, 359-371.	0.9	5
27	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
28	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
29	High Temperature Facility Under Vacuum for the Thermal Characterization of Anisotropic Materials. , 2010, , .		3
30	Modeling of thermal contacts with heat generation: Application to electrothermal problems. International Journal of Heat and Mass Transfer, 2019, 140, 293-302.	2.5	3
31	Thermal transient behaviour of a bi-layer material with a non-plane interface. International Journal of Thermal Sciences, 2008, 47, 546-551.	2.6	2
32	Steady-state and transient microscale temperature measurements by multispectral method and photons counting. Applied Thermal Engineering, 2016, 99, 343-351.	3.0	2
33	Identification of Transfer Functions in a Vacuum Brazed Load with ARX Models. Instrumentation Mesure Metrologie, 2020, 19, 229-234.	0.2	2
34	Estimation of the spatial distribution of high heat flux pulse stimulations through infrared thermography. Quantitative InfraRed Thermography Journal, 2010, 7, 237-254.	2.1	1
35	Implementation of a numerical holding furnace model in foundry and construction of a reduced model. Journal of Physics: Conference Series, 2016, 745, 032088.	0.3	1
36	Model reduction for experimental thermal characterization of a holding furnace. Heat and Mass Transfer, 2018, 54, 2443-2452.	1.2	1

#	ARTICLE	IF	CITATIONS
37	A New Coupled Approach for Enthalpy Pumping Consideration in a Free Piston Stirling Engine (FPSE). Applied Mechanics, 2022, 3, 339-359.	0.7	1
38	Thermal Microscopy with Photomultipliers and UV to IR Cameras. Topics in Applied Physics, 2009, , 411-438.	0.4	0
39	New Estimation Method Based on Integral Transforms for the Thermal Diffusivity Measurement of Anisotropic Materials. , 2014, , .		0
40	TRANSIENT CHARACTERIZATION OF A HEAT EXCHANGER THROUGH IDENTIFICATION OF ITS TRANSFER FUNCTIONS. , 2018, , .		0