

# Bernard Lamien

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

173  
citations

1040056

9  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous estimation of temperature and emissivity of metals around their melting points by deterministic and Bayesian techniques. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122077.	4.8	8
2	Kalman filter temperature estimation with a photoacoustic observation model during the hyperthermia treatment of cancer. <i>Computers and Mathematics With Applications</i> , 2022, 119, 193-207.	2.7	4
3	Real-time temperature estimation with enhanced spatial resolution during MR-guided hyperthermia therapy. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020, 77, 782-806.	2.1	9
4	Thermal Effect by Applying Laser Heating in Iron Oxide Nanoparticles Dissolved in Distilled Water. <i>IFMBE Proceedings</i> , 2020, , 1239-1245.	0.3	3
5	Density measurement of liquid 22MnB5 by aerodynamic levitation. <i>Review of Scientific Instruments</i> , 2019, 90, 074904.	1.3	12
6	A Bayesian approach for the estimation of the thermal diffusivity of aerodynamically levitated solid metals at high temperatures. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 265-281.	4.8	16
7	Computational fluid dynamic analysis of physical forces playing a role in brain organoid cultures in two different multiplex platforms. <i>BMC Developmental Biology</i> , 2019, 19, 3.	2.1	31
8	Application of the photoacoustic technique for temperature measurements during hyperthermia. <i>Inverse Problems in Science and Engineering</i> , 2019, 27, 1651-1671.	1.2	3
9	Estimation of the temperature field in laser-induced hyperthermia experiments with a phantom. <i>International Journal of Hyperthermia</i> , 2018, 35, 279-290.	2.5	13
10	INTERNAL TEMPERATURE FIELD ESTIMATION IN WATER-FILTERED INFRA-RED-A (wIRA) HYPERTHERMIA OF BREAST CANCER FROM SKIN SURFACE TEMPERATURE MEASUREMENTS. , 2018, , .		0
11	Numerical simulation of nanoparticles assisted laser photothermal therapy: a comparison of the P1-approximation and discrete ordinate methods. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 621-630.	1.6	5
12	Inverse problem in the hyperthermia therapy of cancer with laser heating and plasmonic nanoparticles. <i>Inverse Problems in Science and Engineering</i> , 2017, 25, 608-631.	1.2	12
13	Particle Filter and Approximation Error Model for State Estimation in Hyperthermia. <i>Journal of Heat Transfer</i> , 2017, 139, .	2.1	18
14	State estimation in bioheat transfer: a comparison of particle filter algorithms. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 615-638.	2.8	20
15	A COMPARISON OF PARTICLE FILTER ALGORITHMS APPLIED TO THE TEMPERATURE FIELD ESTIMATION IN HYPERTHERMIA PHANTOMS. , 2016, , .		1
16	State Estimation Problem in the Hyperthermia Treatment of Tumors Loaded with Nanoparticles. , 2014, , .		4
17	Fabrication Methods of Phantoms Simulating Optical and Thermal Properties. <i>Procedia Engineering</i> , 2013, 59, 30-36.	1.2	14
18	A COMPARISON OF PARTICLE FILTER ALGORITHMS APPLIED TO THE HYPERTHERMIA TREATMENT OF CANCER INDUCED BY NEAR-INFRARED LASER. , 0, , .		0

#	ARTICLE	IF	CITATIONS
19	STATE ESTIMATION PROBLEM IN HYPERTHERMIA TREATMENT OF CANCER INDUCED BY NEAR-INFRARED DIODE LASER HEATING. , 0, , .		0