

Bernard Lamien

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

173
citations

1040056

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h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

223
citing authors

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

#	ARTICLE	IF	CITATIONS
19	INTERNAL TEMPERATURE FIELD ESTIMATION IN WATER-FILTERED INFRA-RED-A (wIRA) HYPERTHERMIA OF BREAST CANCER FROM SKIN SURFACE TEMPERATURE MEASUREMENTS. , 2018, , .		0