

Wamadeva Balachandran

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,308
citations

567281

15
h-index

752698

20
g-index

29
all docs

29
docs citations

29
times ranked

2054
citing authors

#	ARTICLE	IF	CITATIONS
1	Isothermal nucleic acid amplification technologies for point-of-care diagnostics: a critical review. Lab on A Chip, 2012, 12, 2469.	6.0	595
2	Numerical simulation of electrohydrodynamic (EHD) atomization. Journal of Electrostatics, 2006, 64, 850-859.	1.9	92
3	A novel approach for incipient defect detection in rolling bearings using acoustic emission technique. Applied Acoustics, 2015, 89, 88-100.	3.3	79
4	Wet Electroscrubbers for State of the Art Gas Cleaning. Environmental Science & Technology, 2006, 40, 6197-6207.	10.0	72
5	Graphene-Enabled Electrodes for Electrocardiogram Monitoring. Nanomaterials, 2016, 6, 156.	4.1	64
6	Submicron particles removal by charged sprays. Fundamentals. Journal of Electrostatics, 2013, 71, 345-350.	1.9	52
7	Shaft angular misalignment detection using acoustic emission. Applied Acoustics, 2014, 85, 12-22.	3.3	49
8	Novel low voltage EHD spray nozzle for atomization of water in the cone jet mode. Journal of Electrostatics, 2007, 65, 490-499.	1.9	46
9	Artificial Intelligence-Assisted Loop Mediated Isothermal Amplification (AI-LAMP) for Rapid Detection of SARS-CoV-2. Viruses, 2020, 12, 972.	3.3	40
10	Graphene-based biosensors: methods, analysis and future perspectives. IET Circuits, Devices and Systems, 2015, 9, 434-445.	1.4	37
11	Measurement of Core Body Temperature Using Graphene-Inked Infrared Thermopile Sensor. Sensors, 2018, 18, 3315.	3.8	36
12	Nonthermal Plasma System for Marine Diesel Engine Emission Control. IEEE Transactions on Industry Applications, 2016, 52, 2496-2505.	4.9	22
13	A Simple, Low-Cost Platform for Real-Time Isothermal Nucleic Acid Amplification. Sensors, 2015, 15, 23418-23430.	3.8	21
14	RPA using a multiplexed cartridge for low cost point of care diagnostics in the field. Analytical Biochemistry, 2018, 547, 84-88.	2.4	19
15	Recombinase polymerase amplification-based nucleic acid lateral flow immunoassays for Newcastle disease virus and infectious bronchitis virus detection. Molecular Biology Reports, 2019, 46, 6391-6397.	2.3	19
16	Low-Voltage Electrohydrodynamic (EHD) Spray Drying of Respirable Particles. Pharmaceutical Development and Technology, 2007, 12, 175-181.	2.4	12
17	Development of high temperature ultrasonic guided wave transducer for continuous in service monitoring of steam lines using non-stoichiometric lithium niobate piezoelectric ceramic. Sensors and Actuators A: Physical, 2014, 216, 432-442.	4.1	12
18	Modular development of a prototype point of care molecular diagnostic platform for sexually transmitted infections. Medical Engineering and Physics, 2016, 38, 741-748.	1.7	12

#	ARTICLE	IF	CITATIONS
19	Consumer Attitudes toward Online Shopping. International Journal of Social Ecology and Sustainable Development, 2014, 5, 13-24.	0.2	11
20	Wearable mobile ear-based ECG monitoring device using graphene-coated sensors. , 2017, , .		7
21	A design scheme of control/optimization system for hybrid solar " Wind and battery energy storages system. , 2016, , .		5
22	Monitoring of Industrial Machine Using a Novel Blind Feature Extraction Approach. Applied Sciences (Switzerland), 2021, 11, 5792.	2.5	3
23	Low voltage Hybrid Renewable Energy System management for energy storages charging-discharging. , 2016, , .		2
24	Renewable energy resource self-intervention control technique using Simulink/Stateflow modeling. , 2015, , .		1
25	Application of Inductive Topological Transfer Function Generation for a Cascaded Low-Pass Filter. Circuits, Systems, and Signal Processing, 2013, 32, 2667-2681.	2.0	0
26	Induction Based Detection of Magnetic Particles Via Phase Locked Loop. , 2020, , .		0
27	A Study of Performance Factors in the Brunel Remote Guidance System for Visually Impaired Pedestrians. International Journal of Handheld Computing Research, 2012, 3, 56-71.	0.4	0
28	An Exploratory Study of Government Websites Usability in Jordan. International Journal of E-Services and Mobile Applications, 2014, 6, 16-27.	0.6	0
29	Nurses' Attitudes Towards E-Learning for E-health Education. International Journal of Handheld Computing Research, 2016, 7, 77-84.	0.4	0