

Bhaskar Mohan Murari

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

504
citations

1306789

7
h-index

1199166

12
g-index

19
all docs

19
docs citations

19
times ranked

627
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects and limitations of non-invasive blood glucose monitoring using near-infrared spectroscopy. Biomedical Signal Processing and Control, 2015, 18, 214-227.	3.5	258
2	Near-infrared LED based non-invasive blood glucose sensor. , 2014, , .		62
3	Interaction of DNA Minor Groove Binder Hoechst 33258 with Bovine Serum Albumin. Chemical and Pharmaceutical Bulletin, 2009, 57, 481-486.	0.6	42
4	Label-free aptasensors based on fluorescent screening assays for the detection of Salmonella typhimurium. Analytical Biochemistry, 2018, 559, 17-23.	1.1	39
5	Investigations on Multisensor-Based Noninvasive Blood Glucose Measurement System. Journal of Medical Devices, Transactions of the ASME, 2017, 11, .	0.4	27
6	Fluorescence spectroscopic study to characterize and monitor TEOS based sol-gel process for development of optical biosensors. Current Applied Physics, 2003, 3, 177-184.	1.1	20
7	Comparison of turn-on and ratiometric fluorescent G-quadruplex aptasensor approaches for the detection of ATP. Analytical and Bioanalytical Chemistry, 2019, 411, 1319-1330.	1.9	17
8	Fluorescence spectroscopic study of dip coated sol-gel thin film internal environment using fluorescent probes Hoechst33258 and Pyranine. Journal of Sol-Gel Science and Technology, 2007, 41, 147-155.	1.1	8
9	Levenberg-Marquardt-Based Non-Invasive Blood Glucose Measurement System. IETE Journal of Research, 2018, 64, 116-123.	1.8	7
10	Modified sol-gel processed silica matrix for gel electrophoresis applications. Journal of Sol-Gel Science and Technology, 2017, 83, 155-164.	1.1	5
11	Engineering challenges and the future prospects of transcatheter mitral valve replacement technologies: a comprehensive review of case studies. Expert Review of Medical Devices, 2017, 14, 297-307.	1.4	5
12	Transdermal delivery of polidocanol from sol-gel patch: ex vivo skin permeation studies using iontophoresis for the treatment of varicose veins. Journal of Sol-Gel Science and Technology, 2018, 87, 639-646.	1.1	4
13	Design of Low Cost Blood Glucose Sensing System Using Diffused Reflectance Near-Infrared Light. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 197-216.	0.5	4
14	A Cloud Based Architecture for Optimal Utilization of Resources in Educational Institutions. , 2013, , .		3
15	A practical approach of revitalizing K-12 education in 21 st century. , 2013, , .		3
16	Enhancing professionalism among engineering students through involvements in technical societies. , 2015, 2015, 3647-50.		0
17	Light-Emitting Diode Based Hand-Held Fluorescence Detector for Quantification of Pyranine1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	0
18	Structural Analysis to Evaluate the Design of a Synthetic Mitral Valve Prosthesis. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Specular Endothelium Image Analysis with DEM Algorithm. , 2021, , .		0