

Ahmed H Jalal

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

487
citations

1163117

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h-index

1199594

12
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14
all docs

14
docs citations

14
times ranked

860
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospects and Challenges of Volatile Organic Compound Sensors in Human Healthcare. ACS Sensors, 2018, 3, 1246-1263.	7.8	179
2	Lactate biosensing: The emerging point-of-care and personal health monitoring. Biosensors and Bioelectronics, 2018, 117, 818-829.	10.1	107
3	Recent advances in metamaterial split-ring-resonator circuits as biosensors and therapeutic agents. Biosensors and Bioelectronics, 2016, 86, 595-608.	10.1	98
4	Fabrication and calibration of Oxazine-based optic fiber sensor for detection of ammonia in water. Applied Optics, 2012, 51, 3768.	1.8	24
5	Multimodal technique to eliminate humidity interference for specific detection of ethanol. Biosensors and Bioelectronics, 2017, 87, 522-530.	10.1	24
6	Selective Detection of Alcohol Through Ethyl-Glucuronide Immunosensor Based on 2D Zinc Oxide Nanostructures. IEEE Sensors Journal, 2019, 19, 3984-3992.	4.7	13
7	A Model for Safe Transport of Critical Patients in Unmanned Drones with a "Watch" Style Continuous Anesthesia Sensor. Journal of the Electrochemical Society, 2018, 165, B3071-B3077.	2.9	11
8	Wearable alcohol monitoring device with auto-calibration ability for high chemical specificity. , 2016, , .		9
9	A Fuel Cell Based Sensing Platform for Selective Detection of Acetone in Hyperglycemic Patients. ECS Transactions, 2017, 80, 1369-1378.	0.5	8
10	Sonochemically Synthesized ZnO Nanostructure-Based L-Lactate Enzymatic Sensors on Flexible Substrates. MRS Advances, 2018, 3, 277-282.	0.9	4
11	Towards a wearable fuel cell sensor for transdermal monitoring of isoflurane " an anesthetic. Analytical Methods, 2019, 11, 2007-2012.	2.7	4
12	Sonochemically Synthesized Zinc Oxide Nanoflakes Based Electrochemical Immunosensor for Ethyl Glucuronide (EtG) Detection. ECS Transactions, 2017, 80, 1287-1294.	0.5	2
13	A wearable micro-fuel cell sensor for the determination of blood alcohol content (BAC): a multivariate regression model approach. ISSS Journal of Micro and Smart Systems, 2020, 9, 131-142.	2.0	2
14	Tuning of Optical Band Gap: Genesis of Thickness Regulated Al Doped ZnO Nano-Crystalline Thin Films Formulated by Sol-Gel Spin Coating Approach. Transactions on Electrical and Electronic Materials, 0, , 1.	1.9	2