

Vinu Mohan A M

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,209
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	A wearable chemical-electrophysiological hybrid biosensing system for real-time health and fitness monitoring. <i>Nature Communications</i> , 2016, 7, 11650.	12.8	639
2	Soft, stretchable, high power density electronic skin-based biofuel cells for scavenging energy from human sweat. <i>Energy and Environmental Science</i> , 2017, 10, 1581-1589.	30.8	309
3	Continuous minimally-invasive alcohol monitoring using microneedle sensor arrays. <i>Biosensors and Bioelectronics</i> , 2017, 91, 574-579.	10.1	201
4	Recent advances and perspectives in sweat based wearable electrochemical sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116024.	11.4	123
5	All-printed magnetically self-healing electrochemical devices. <i>Science Advances</i> , 2016, 2, e1601465.	10.3	101
6	Fully Printed Wearable Microfluidic Devices for High-Throughput Sweat Sampling and Multiplexed Electrochemical Analysis. <i>ACS Sensors</i> , 2021, 6, 1174-1186.	7.8	101
7	Re-usable electrochemical glucose sensors integrated into a smartphone platform. <i>Biosensors and Bioelectronics</i> , 2018, 101, 181-187.	10.1	93
8	A microneedle biosensor for minimally-invasive transdermal detection of nerve agents. <i>Analyst</i> , The, 2017, 142, 918-924.	3.5	86
9	All-printed, interdigitated, freestanding serpentine interconnects based flexible solid state supercapacitor for self powered wearable electronics. <i>Nano Energy</i> , 2019, 65, 104055.	16.0	83
10	Merging of Thin and Thick Film Fabrication Technologies: Toward Soft Stretchable "Bridge" Devices. <i>Advanced Materials Technologies</i> , 2017, 2, 1600284.	5.8	71
11	Application of Electrochemical Aptasensors toward Clinical Diagnostics, Food, and Environmental Monitoring: Review. <i>Sensors</i> , 2019, 19, 5435.	3.8	70
12	Molecularly imprinted polymer based electrochemical detection of L-cysteine at carbon paste electrode. <i>Materials Science and Engineering C</i> , 2014, 37, 321-326.	7.3	49
13	Self-Healing Inks for Autonomous Repair of Printable Electrochemical Devices. <i>Advanced Electronic Materials</i> , 2015, 1, 1500289.	5.1	43
14	Molecularly imprinted poly(4-amino-5-hydroxy-2,7-naphthalenedisulfonic acid) modified glassy carbon electrode as an electrochemical theophylline sensor. <i>Materials Science and Engineering C</i> , 2016, 65, 116-125.	7.3	40
15	Selective electrochemical detection of dopamine based on molecularly imprinted poly(5-amino Tj ETQq1 1 0.784314 rgBT /Overlock 10627-10639.	3.7	39
16	Effect of positive electrode modification on the performance of zinc-bromine redox flow batteries. <i>Journal of Energy Storage</i> , 2020, 29, 101462.	8.1	32
17	Soft Materials for Wearable/Flexible Electrochemical Energy Conversion, Storage, and Biosensor Devices. <i>Materials</i> , 2020, 13, 2733.	2.9	29
18	Amperometric detection of glucose using Prussian blue-graphene oxide modified platinum electrode. <i>Analytical Methods</i> , 2013, 5, 1764.	2.7	26

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19	Light-Emitting Atomically Precise Nanocluster-Based Flexible QR Codes for Anticounterfeiting. ACS Applied Materials & Interfaces, 2021, 13, 10583-10593.	8.0	22
20	Electrochemical codeposition of gold particle-poly(2-(2-pyridyl) benzimidazole) hybrid film on glassy carbon electrode for the electrocatalytic oxidation of nitric oxide. Sensors and Actuators B: Chemical, 2014, 196, 406-412.	7.8	16
21	Electrochemical signatures of multivitamin mixtures. Analyst, The, 2015, 140, 7522-7526.	3.5	14
22	Electrochemical sensing of hydroxylamine using a wax impregnated graphite electrode modified with a nanocomposite consisting of ferric oxide and copper hexacyanoferrate. Mikrochimica Acta, 2016, 183, 2013-2021.	5.0	12
23	Electrocatalytic behaviour of hybrid cobalt-manganese hexacyanoferrate film on glassy carbon electrode. Thin Solid Films, 2014, 565, 207-214.	1.8	10