

# Yogeswaran Umasankar

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,398  
citations

516710

16  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocomposite Biezymatic Sensor for Monitoring Xanthine in Wound Diagnostics. Journal of the Electrochemical Society, 2019, 166, B3295-B3301.	2.9	9
2	Biosensor for Monitoring Uric Acid in Wound and Its Proximity: A Potential Wound Diagnostic Tool. Journal of the Electrochemical Society, 2019, 166, B830-B836.	2.9	21
3	Towards a Long-Term Multi-Site Electrochemical Wound Monitoring System. , 2019, , .		3
4	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
5	Nano-Composite Enzymatic Xanthine Biosensor for Wound Diagnostics. , 2018, , .		0
6	(Invited) Multimodal Enzymatic Sensing for Continuous Wound Monitoring. ECS Transactions, 2018, 88, 419-426.	0.5	0
7	Continuous Monitoring of Wound Healing Using a Wearable Enzymatic Uric Acid Biosensor. Journal of the Electrochemical Society, 2018, 165, B3168-B3175.	2.9	72
8	Sonochemically Synthesized ZnO Nanostructure-Based L-Lactate Enzymatic Sensors on Flexible Substrates. MRS Advances, 2018, 3, 277-282.	0.9	4
9	Lactate biosensing: The emerging point-of-care and personal health monitoring. Biosensors and Bioelectronics, 2018, 117, 818-829.	10.1	107
10	Prospects and Challenges of Volatile Organic Compound Sensors in Human Healthcare. ACS Sensors, 2018, 3, 1246-1263.	7.8	179
11	Multimodal technique to eliminate humidity interference for specific detection of ethanol. Biosensors and Bioelectronics, 2017, 87, 522-530.	10.1	24
12	A Fuel Cell Based Sensing Platform for Selective Detection of Acetone in Hyperglycemic Patients. ECS Transactions, 2017, 80, 1369-1378.	0.5	8
13	A novel bi-enzyme electrochemical biosensor for selective and sensitive determination of methyl salicylate. Biosensors and Bioelectronics, 2016, 81, 39-45.	10.1	42
14	Laccase-TiO <sub>2</sub> Nanoconjugates as Catalysts for Oxygen Reduction Reaction in Biocathodes. Journal of the Electrochemical Society, 2015, 162, H911-H917.	2.9	14
15	Three Dimensional Carbon Nanosheets as a Novel Catalyst Support for Enzymatic Bioelectrodes. Advanced Energy Materials, 2014, 4, 1301306.	19.5	29
16	Enhanced Electron Transfer in Enzymatic Bioelectrodes by a Poly(vinyl alcohol) Methyl(4-(4-formylstyryl) Pyridinium Methosulfate Acetal Cationic Polymer. ChemElectroChem, 2014, 1, 1834-1839.	3.4	8
17	Photocurrent generation by immobilized cyanobacteria via direct electron transport in photo-bioelectrochemical cells. Physical Chemistry Chemical Physics, 2014, 16, 7862.	2.8	151
18	Electrochemical detection of p-ethylguaiacol, a fungi infected fruit volatile using metal oxide nanoparticles. Analyst, The, 2014, 139, 3804-3810.	3.5	85

#	ARTICLE	IF	CITATIONS
19	Highly sensitive electrochemical detection of methyl salicylate using electroactive gold nanoparticles. <i>Analyst, The</i> , 2013, 138, 6623.	3.5	23
20	On the bio-electrocatalytic activity of tyrosinase for oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2013, 3, 2546.	4.1	11
21	High photo-electrochemical activity of thylakoid-carbon nanotube composites for photosynthetic energy conversion. <i>Energy and Environmental Science</i> , 2013, 6, 1891.	30.8	173
22	Electroanalytical studies on green leaf volatiles for potential sensor development. <i>Analyst, The</i> , 2012, 137, 3138.	3.5	11
23	Kinetic and Mechanistic Parameters of Laccase Catalyzed Direct Electrochemical Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2012, 2, 38-44.	11.2	93
24	Determination of peroxodisulfate ion using composite film containing naphthol green B and multi-walled carbon nanotubes. <i>Analytical Methods</i> , 2011, 3, 2604.	2.7	8
25	Vitamin B12 incorporated with multiwalled carbon nanotube composite film for the determination of hydrazine. <i>Analytical Biochemistry</i> , 2011, 408, 297-303.	2.4	32
26	Electrocatalysis and simultaneous determination of catechol and quinol by poly(malachite green) coated multiwalled carbon nanotube film. <i>Analytical Biochemistry</i> , 2011, 411, 71-79.	2.4	93
27	Poly(malachite green) at nafion doped multi-walled carbon nanotube composite film for simple aliphatic alcohols sensor. <i>Talanta</i> , 2010, 80, 1094-1101.	5.5	18
28	Electrocatalytic Activity of Oxygen and Hydrogen Peroxide Reduction at Poly(iron) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (tetra(o Electrochemical Society, 2009, 156, K238.	2.9	12
29	Nanocomposite of functionalized multiwall carbon nanotubes with nafion, nano platinum, and nano gold biosensing film for simultaneous determination of ascorbic acid, epinephrine, and uric acid. <i>Analytical Biochemistry</i> , 2007, 365, 122-131.	2.4	157